Welcome

Dear graduates, families and friends of the Carnegie Mellon Class of 2024:

Welcome to Carnegie Mellon University's 126th Commencement Ceremony!

Today, we celebrate the remarkable members of the Class of 2024. Since arriving on campus, these students have immersed themselves in meaningful experiences, including boundary-breaking education and research, outstanding displays of creativity and leadership, and substantial community contributions and service.

Graduates: Your resilience, empathy, creativity and willingness to collaborate are inspiring. You are already changing our university — and, soon, the world — for the better.

CMU leaders, faculty, staff extend our profound gratitude to the families and friends supporting our graduates today. These individuals have come together — some traveling across rivers and others traveling across oceans — to celebrate our students and their achievements to date.

Graduation from a demanding academic institution like Carnegie Mellon University is a team effort and a significant accomplishment. Members of the Class of 2024 could not have reached this finish line without your steadfast love, support and counsel over the years and their triumph today is yours to share.

To our graduates: I am confident that you will approach the opportunities and challenges ahead with the same perseverance and passion that has defined your time on campus.

The world is ready — and in great need — of your talents, perspectives and ideas, and I am excited to see all that you will achieve in the years ahead.

And remember that you are not alone. You are joining an exclusive club — home to some of society's most brilliant leaders and doers. Our Tartan network spans more than 130,000 alumni around the world, and I encourage you to not only lean on this network but strengthen it by sharing the wisdom and skills that you acquire as you rise.

On behalf of our expansive and proud Carnegie Mellon community: Congratulations! Here's to a future shaped in your hands and packed to the brim with laughter, fulfilling connections and the thrill of continuing to create and leverage knowledge for society's gain.

Congratulations!

Farnam Jahanian

Farnam Jahanian
President
Henry L. Hillman President's Chair
Carnegie Mellon University

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Led by Carnegie Mellon
Pipes and Drums

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Associate Professor of French and
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and the Atlantic, Department of Languages,
Cultures and Applied Linguistics
2024 William H. and Frances S. Ryan Award
for Meritorious Teaching

The National Anthem

Solomon Onyukwu (CFA 2024)

Invocation

Jennifer McCurry
Coordinator of Religious and Spiritual Life

Please be seated following the invocation.

Welcome

David A. Coulter (TPR 1971, 1971)
Chair, Board of Trustees,
Carnegie Mellon University
Special Limited Partner, Warburg
Pincus LLC

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Farnam Jahanian
President
Henry L. Hillman President's Chair

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Digital Producer, 60 Minutes

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Farnam Jahanian

James H. Garrett Jr.
(ENG 1982, 1983, 1986)
Provost and Chief Academic Officer
Thomas Lord Professor of Civil and
Environmental Engineering

Candidates for Honorary Degrees

Charles L. Evans (TPR 1985, 1989)
Former President and CEO, Federal Bank
of Chicago
Doctor of Public Services

Renée Elise Goldsberry (CFA 1993)
Tony and Grammy Award winning artist
Doctor of Fine Arts

Reeta Roy
CEO and President, Mastercard
Foundation
*Keynote Speaker and Doctor of
Humane Letters*

William D. Strecker
(ENG 1966, 1967, 1971)
Retired Executive Vice President
and CTO, In-Q-Tel
Doctor of Science and Technology

Keynote Speaker

Reeta Roy

President's Charge

Farnam Jahanian

Conferring of Degrees

Farnam Jahanian

James H. Garrett Jr.

William Sanders
Dr. William D. and Nancy W. Strecker
Dean, College of Engineering

Mary Ellen Poole
Stanley and Marcia Gumberg Dean,
College of Fine Arts

Richard Scheines
Bess Family Dean, Dietrich College of
Humanities and Social Sciences

Ramayya Krishnan
H.J. Heinz Dean, Heinz College of
Information Systems and Public Policy

Curtis A. Meyer
Interim Dean, Mellon College of Science

Martial Hebert
Dean, School of Computer Science

Isabelle Bajeux-Besnainou
Dean, Tepper School of Business

Michael A. Trick
Dean, Carnegie Mellon University Qatar

Closing Remarks

Farnam Jahanian

Recession

Led by Carnegie Mellon
Pipes and Drums

Initial Interpretations

CFA	College of Fine Arts
DC	Dietrich College of Humanities and Social Sciences
ENG	College of Engineering
HNZ	Heinz College of Information Systems and Public Policy
MCS	Mellon College of Science
SCS	School of Computer Science
TPR	Tepper School of Business

Procession

9:15 a.m. The procession starts. **ALL GUESTS MUST BE SEATED BY THIS TIME.** Guests are not permitted on the track or in the aisles during the procession.

ORDER OF PROCESSION

- Candidates for Bachelor's, Master's and Doctor's Degrees (processing by college)
- Faculty
- Deans, University Leadership and Board of Trustees
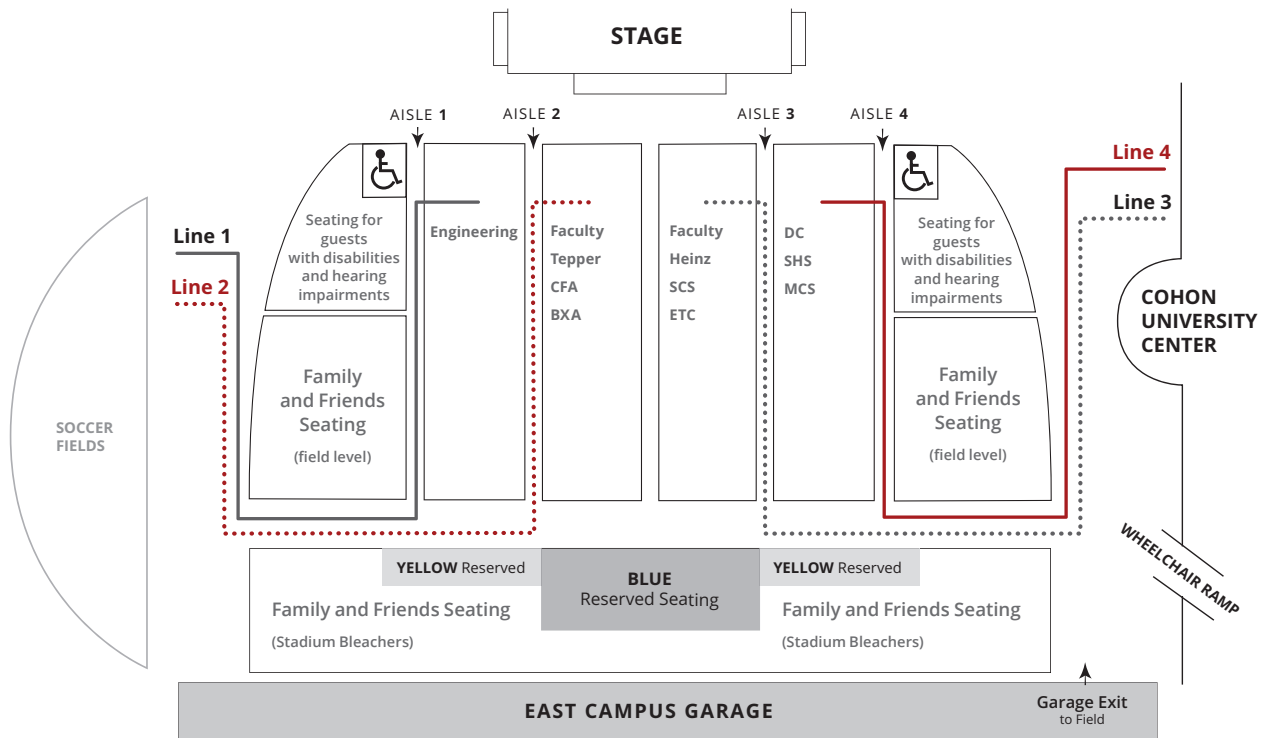
CANDIDATE SEATING

Candidates will be seated in the four center seating bays according to their college's section on the field. Family and friends seating is also available on the field. To identify where your graduate will be seated, please see the seating map below.

RECESSION

To ensure that all graduates and special guests may exit smoothly, please remain seated until those seated on the stage have left the field. Please determine where you need to go after the ceremony and use the appropriate exit route.

SEATING MAP

Restrooms are located in all campus buildings and under the bleachers in Gesling Stadium.

Marshals

Faculty Marshal

Mame-Fatou Niang
Associate Professor of French and Francophone Studies and Director-Founder of the Center for Black European Studies and the Atlantic, Department of Languages, Cultures and Applied Linguistics
2024 William H. and Frances S. Ryan Award for Meritorious Teaching

Platform Group

Gina Casalegno
Vice President for Student Affairs and Dean of Students

Faculty

Jon Minden
Professor of Biological Sciences

College of Engineering

Alaine M. Allen
Associate Dean for Diversity, Equity and Inclusion, Distinguished Service Professor, Engineering and Public Policy

P. Sang Chalacheva
Assistant Teaching Professor, Biomedical Engineering

Nestor Gomez
Assistant Teaching Professor, Mechanical Engineering

Deanna Hart Matthews
Teaching Professor, Associate Department Head for Undergraduate Affairs, Engineering and Public Policy

Joe Moore
Assistant Teaching Professor, Civil and Environmental Engineering

Conrad Zapanta
Associate Dean for Undergraduate Studies, Teaching Professor, Biomedical Engineering

College of Fine Arts

Michele de la Reza
Associate Teaching Professor of Dance, School of Music

Carla LaRocca
Associate Teaching Professor, Keyboard Studies, School of Music

Susan Tsu
University Professor, Bessie F. Anathan Professorship, School of Drama

Dietrich College of Humanities and Social Sciences

Sharon M. Carver
Associate Dean for Educational Affairs

Joseph E. Devine
Associate Dean

Joel B. Greenhouse
Professor of Statistics, Statistics and Data Science

Gang Liu
Teaching Professor, Languages, Cultures and Applied Linguistics

Kelli Lammie Maxwell
Associate Dean for Student Success

Danielle Z. Wetzel
Teaching Professor, English

Heinz College of Information Systems and Public Policy

Allison Frankoski
Director, MSIT Program

Alexandra Lutz
Senior Director, School of Public Policy and Management

Mellon College of Science

Maggie Braun
Associate Dean for Undergraduate Affairs

Kenneth Hovis
Assistant Dean for Educational Initiatives

Manfred Paulini
Professor of Physics, Associate Dean for Research

Dejan Slepčev
Professor, Associate Dean for Faculty and Graduate Affairs, Associate Department Head

School of Computer Science

Thomas J. Cortina
Associate Dean for Undergraduate Programs

Norman Sadeh
Professor, Co-Director, MSIT-Privacy Engineering Program

Tepper School of Business

C. Tad Brinkerhoff
Assistant Dean, Masters Programs

Jennifer Wegner
Assistant Dean, Undergraduate Programs

BXA Intercollege Degree Programs

M. Stephanie Murray
Senior Associate Dean, Interdisciplinary Initiatives

Academic Symbols

THE CARNEGIE MACE

In the British tradition, a procession for a ceremony such as this commencement may be led by an official bearing a mace or staff, or supervised by a marshal carrying a baton or other badge of office. Carnegie Mellon has provided the faculty marshal (officially responsible for the entire ceremony) with a silver mace. The Carnegie mace is surmounted with a thistle, a flowering plant, symbolic of Andrew Carnegie's Scottish origin.

REGALIA

Other components of this ceremony include the regalia of the participating faculty and students — a colorful relic of medieval scholastic tradition. During the Middle Ages, education was a function of religious organizations. The long gown evolved from the monk's habit, and the hood from the cowl that monks wore on their heads.

The hoods are decorated with colored velvet bands indicating the disciplines in which they earned their degree. Carnegie Mellon hoods are dressed with the Carnegie family tartan in blue, red, green and yellow, created at Andrew Carnegie's request and manufactured in Scotland.

Candidates for the master's degree wear a velvet band of the color representing their particular academic discipline on their hoods. The colors representing the academic disciplines for the master's degrees awarded by Carnegie Mellon are as follows:

College of Engineering | *Orange*

College of Fine Arts | *Dark Brown*

    Music | *Pink*

Dietrich College of Humanities and Social Sciences | *White*

    Statistics and Data Science | *Gold*

Heinz College of Information Systems and Public Policy:

    Information Systems | *Yellow*

    Public Policy | *Peacock Blue*

Mellon College of Science | *Gold*

School of Computer Science | *Gold*

Tepper School of Business | *Drab Brown*

    Economics | *Copper*

University-Wide, Intercollege and Joint-Degree Programs | *Various Colors*

The colors representing the academic disciplines for the doctor's degrees awarded by Carnegie Mellon are as follows:

Doctor of Arts | *White*

Doctor of Design | *Dark Brown*

Doctor of Philosophy | *Dark Blue*

Doctor of Professional Practice | *Dark Brown*

MORTARBOARD AND TASSEL

Some legends say the mortarboard developed from the skull caps worn by churchmen officiating at religious services; others say the cap resembles a scholar's book and came from Oxford University.

The tassel, worn on the square of the mortarboard, developed from the 15th century when caps and hats came into fashion. One style of hat bore a tuft in the center, which evolved into the tassel. Students receiving a bachelor's degree have a red tassel, master's degree candidates have a black tassel and those receiving a doctor's degree have a gold tassel. The tassels hold an emblem stating the year of graduation.

THE PRESIDENT'S MEDALLION AND CHAIN

In holding with ceremonial tradition, the president will wear the chain of office and medallion. These brass pieces have been designed to be passed down from president to president, bridging our past and present to our promising future.

A medallion bearing the university seal anchors the 36-inch ornamental chain. Adorning the piece are four medals, two engraved with the thistle and two featuring images of our founders Andrew Carnegie and Andrew Mellon.

The links of the chain are interwoven with 12 curved banners engraved with the names of each of the colleges and schools within the university, the University Libraries and Carnegie Mellon's campus locations around the world. This symbol of our interconnected community meets at the "president's banner." Marked by a decorative accent, this banner sits above the medallion and features Carnegie's famous motto, "My heart is in the work."

University and College Honors

Bachelor's candidates who have achieved exemplary academic success receive university and/or college honors. Below is a description of the criteria for the honors. Students may achieve university and/or college honors by their seventh or eighth semester. Because of printing deadlines, only those who have achieved honors as of their seventh semester are listed in this program.

◆ **University Honors** are given to undergraduates on the basis of a 3.5 or higher quality point average (QPA). These students are identified by a medallion worn as part of their academic regalia.

◇ **College Honors** are awarded individually by each college. These students are identified by a cord worn as part of their academic regalia. The criteria for each college are outlined below.

◈ **University and College Honors**

BXA INTERCOLLEGE DEGREE PROGRAMS

Bachelor of Computer Science and Arts (BCSA), Bachelor of Engineering Studies and Arts (BESA), Bachelor of Humanities and Arts (BHA), Bachelor of Science and Arts (BSA), and Engineering and Arts (EA) additional major students who successfully complete a BXA Capstone Project under the guidance of a faculty member, present their research results and earn an overall QPA of 3.25 or higher will receive BCSA Intercollege Honors, BESA Intercollege Honors, BHA Intercollege Honors, BSA Intercollege Honors or EA Intercollege Honors.

The BCSA honors cord colors are tiffany gold and dark brown. The BESA and EA honors cord colors are orange and dark brown. The BHA honors cord colors are purple and dark brown. The BSA honors cord colors are gold and dark brown.

COLLEGE OF ENGINEERING

The College of Engineering College Honors recipients complete at least 18 units of advanced level research during their senior year under the guidance of a Carnegie Mellon faculty member, and present their work at the annual university-wide research symposium, Meeting of the Minds.

The Engineering honors cord color is orange.

COLLEGE OF FINE ARTS

The College of Fine Arts (CFA) issues College Honors based on the following school criteria:

Architecture – students who have a cumulative QPA of 3.3 or higher.

Art – students who have won a School of Art award or whom faculty select based on overall academic and artistic excellence.

Design – students who have won a School of Design award.

Drama – students who have a cumulative QPA of 3.3 or higher. The faculty may also select additional students based on overall academic and artistic excellence, school citizenship, innovative thinking and/or entrepreneurship.

Music – students who have a cumulative QPA of 3.3 or higher, and *either* have won a School of Music award *or* have been awarded College Honors by the School of Music Division Heads Committee.

CFA Student-Defined Majors – students may receive College Honors if they have a cumulative QPA of 3.3 and have also completed one of the following: 1) senior project, 2) internship, 3) independent study where work is used, cited or has a direct impact on the university or society at large.

The CFA honors cord color is dark brown.

DIETRICH COLLEGE OF HUMANITIES AND SOCIAL SCIENCES

Students who complete a Dietrich College of Humanities and Social Sciences (DC) senior honors thesis under the auspices of the Dietrich College Senior Honors Program receive Dietrich College Honors.

The DC honors cord color is purple.

MELLON COLLEGE OF SCIENCE

Mellon College of Science (MCS) students are awarded MCS College Honors if they maintain a QPA of 3.2 or higher, demonstrate quality undergraduate research and either publish or present their research at a scientific meeting.

The MCS honors cord color is gold.

SCHOOL OF COMPUTER SCIENCE

The School of Computer Science (SCS) students receiving SCS College Honors have completed a senior research thesis under the guidance of a faculty member. The students present their research progress at the SCS Fall Research Poster Presentation and their final results to an audience of faculty, researchers and students at the SCS Senior Thesis Presentations, as part of the university-wide Meeting of the Minds research symposium at the end of the Spring semester.

The SCS honors cord color is Tiffany gold.

SCIENCE AND HUMANITIES SCHOLARS

Science and Humanities Scholars (SHS) students may receive either MCS or DC Honors.

TEPPER SCHOOL OF BUSINESS

Tepper School of Business (TPR) students earn college honors by successfully completing a year-long senior research thesis under the guidance of a faculty advisor. Students present their research results at the annual Meeting of the Minds Undergraduate Research Symposium.

The TPR honors cord color is drab brown.

Speakers

PRESIDENT

FARNAM JAHANIAN

Henry L. Hillman President's Chair

Farnam Jahanian was appointed the 10th president of Carnegie Mellon University by its Board of Trustees in March 2018 and was unanimously reappointed for a second term in February 2023.

A nationally recognized computer scientist, entrepreneur, public servant and higher education leader, Jahanian brings to CMU extensive leadership and administrative expertise, not only in advancing research and education within and across disciplines, but also in translating research into technologies and practices that benefit society.

He was previously the university's provost and chief academic officer with broad responsibility for leading CMU's schools, colleges, institutes and campuses. He first joined CMU in 2014 as vice president for research.

Before coming to CMU, Jahanian led the National Science Foundation Directorate for Computer and Information Science and Engineering from 2011 to 2014. Previously, Jahanian was the Edward S. Davidson Collegiate Professor at the University of Michigan, where he served as chair for Computer Science and Engineering from 2007 to 2011 and as director of the Software Systems Laboratory from 1997 to 2000.

Jahanian has been an active advocate for how basic research can be uniquely central to an innovation ecosystem that drives global competitiveness. His scholarly work in cybersecurity and networks ultimately transformed how cyber threats are addressed today and formed the basis for the internet security company Arbor Networks, which he co-founded in 2001 and served as chairman until its acquisition in 2010.

President Joe Biden appointed Jahanian to the President's Export Council in 2023. He is a member of the board of directors for Highmark Health, the National Center for Women and Information Technology (NCWIT) and the Allegheny Conference on Community Development, among others.

Jahanian holds a Ph.D. in computer science from the University of Texas at Austin. He is a fellow of the Association for Computing Machinery, the Institute of Electrical and Electronic Engineers and the American Association for the Advancement of Science.

PROVOST AND CHIEF ACADEMIC OFFICER

JAMES H. GARRETT JR. (ENG 1982, 1983, 1986)

Thomas Lord Professor of Civil and Environmental Engineering

James H. Garrett Jr. was named provost and chief academic officer of Carnegie Mellon University in January 2019 and was appointed for a second term in January 2024. A member of the faculty since 1990, Garrett became dean of Carnegie Mellon University's College of Engineering in 2013. Immediately prior to that, he spent six years as head of the Department of Civil and Environmental Engineering.

As the university's chief academic officer, Garrett is responsible for leading CMU's schools, colleges, institutes and campuses and is instrumental in institutional and academic planning and implementation. In this role, he partners with leaders across the university to expand access and affordability efforts to meet the full financial needs of our student body. He has a strong focus on student success and experience — ensuring students have the tools and opportunities they need to thrive at CMU and beyond. As provost, Garrett continues to make investments in supporting the holistic graduate student experience, recruiting and retaining world class faculty, and promoting equitable access to a CMU education via the launch of initiatives such as the Tartan Scholars program, the Rales Fellows program and the Student Academic Success Center.

Garrett is Carnegie Mellon plaid through and through, having received his bachelor's (1982), master's (1983) and doctoral (1986) degrees in Civil and Environmental Engineering from the institution. He joined the faculty of the college as an assistant professor in 1990 and was promoted to full professor in 1996. Garrett served in other administrative roles including associate dean for Graduate and Faculty Affairs (2000–2006) and acting dean (2004), as well as faculty co-director of the Smart Infrastructure Institute, a research center aimed at developing sensing technology for construction and infrastructure systems. Garrett's wife, Ruth Ann, and their two children are all alumni of CMU.

Among his many recognitions and awards, Garrett was elected as a fellow of the American Association for the Advancement of Science in 2016, awarded the title of Distinguished Member of the American Society of Civil Engineers in 2018, and elected to the National Academy of Construction in 2020.

CHAIR, BOARD OF TRUSTEES

DAVID A. COULTER
(TPR 1971, 1971)

Special Limited Partner,
Warburg Pincus LLC

David A. Coulter served as vice chairman, managing director and senior advisor at Warburg Pincus LLC, focusing on the firm's financial services practice from 2005–2014. He continues to serve as a special limited partner to Warburg Pincus.

Coulter retired in September 2005 as vice chairman of J.P. Morgan & Chase Co. He previously served as executive chairman of its investment bank, asset and wealth management, and private equity business. Coulter was a member of the firm's three person Office of the Chairman and also its Executive Committee.

Coulter came to J.P. Morgan Chase via its July 2000 acquisition of The Beacon Group, a small merchant banking operation. Before joining The Beacon Group, Coulter was the chairman and chief executive officer of the BankAmerica Corporation and Bank of America NT & SA. His career at Bank of America was from 1976 to 1998 and covered a wide range of banking activities. He was also an active member of the Federal Reserve Advisory Council and the International Monetary Conference.

He served on the board of Aeolus Re, MBIA, Mastercard International, Webster Bank, Sterling Financial, the Strayer Corporation, Santander Asset Management and Triton International. He currently is on the board of Varo Money, Inc., ModivCare and Innovu. He also serves on the boards of Lincoln Center, Carnegie Mellon University, Asia Society of Northern California and the American Prairie Reserve.

He received both his B.S. and his M.S. from Carnegie Mellon University and currently serves as a trustee for Carnegie Mellon.

ALUMNI ASSOCIATION BOARD PRESIDENT

BRIT MCCANDLESS FARMER (DC 2008)

Digital Producer, 60 Minutes

Brit McCandless Farmer is an award-winning journalist with a career spanning print, broadcast and digital news. As the digital producer for *60 Minutes* at CBS News, Farmer gives the *60 Minutes* audience a deeper view of the reporting on the broadcast and helps introduce the storied news magazine to a new generation of viewers. Her work has been recognized by the Webby, Gracie and Telly awards.

Previously, Farmer worked at the CBS *Weekend Evening News* and CBS *This Morning*, where she produced interviews with presidential candidates, elected officials and business leaders. Before joining CBS, she worked at CNN, where she was a member of a producing and reporting team that won a Peabody Award.

While a student at Carnegie Mellon, Farmer received the Alumni Association Student Engagement Award, was named an Andrew Carnegie Scholar, and was initiated into the Phi Beta Kappa honor society.

She is the president of the Carnegie Mellon Alumni Association Board and a term member of the Council on Foreign Relations. Farmer lives in New York City with her husband and two young sons.

Speakers

KEYNOTE SPEAKER AND HONORARY DEGREE RECIPIENT

REETA ROY

CEO and President, Mastercard Foundation

Doctor of Humane Letters

STUDENT SPEAKER

SARAH CHEN (SCS 2024)

Reeta Roy has been the president and CEO of the Mastercard Foundation since 2008. She has transformed the Foundation from a four-person startup into a high-impact global organization that has committed $8 billion to its programs, improving the lives of millions of young people in Africa. Under Roy's leadership, the foundation launched the Young Africa Works strategy to enable 30 million young people across the continent to access dignified and fulfilling work by 2030. In response to the COVID-19 pandemic, Roy worked swiftly with the board to launch "Saving Lives and Livelihoods," an unprecedented $1.5 billion partnership with the Africa Centres for Disease Control and Prevention, hailed by donors as a model to address global inequities. In Phase Two of the partnership, the initiative has dedicated significant resources to safeguarding the health security of Africa by strengthening public health systems and building a robust regional vaccine manufacturing capacity.

Roy credits her upbringing in Malaysia for her ability to listen and build relationships across cultures. Following her father's death, her mother mortgaged the family's sole asset, a modest house, to enable her to attend high school in the U.S. After earning a bachelor of arts degree at St. Andrews Presbyterian College (1986), she graduated from The Fletcher School of Law and Diplomacy at Tufts University with a master of arts in law and diplomacy (1989).

She launched her professional career at the United Nations before transitioning into the private sector. She spent 17 years in the health care industry, first at Bristol-Myers Squibb serving in global roles, including a three-year assignment in China where she facilitated a turnaround of the business; then at Abbott as the inaugural Divisional Vice President of Global Citizenship and Policy. Roy built this new function, shaping company policy on access to medicines, expanding public health programs, and contributing to Abbott's listing on the Dow Jones Sustainability Index.

The recipient of eight honorary doctorate degrees, Roy is a member of the African Transformation Leadership Panel and of the Advisory Board of the Schwartz Reisman Institute for Technology and Society at the University of Toronto.

Sarah Chen will graduate in May 2024 with university honors, earning a bachelor's of science in computer science and a minor in science, technology and society. At Carnegie Mellon University, she pursued her passions through the various roles she took on as a leader and scholar. Her research in satellite imagery and machine learning was published to arXiv and ESSOAr, open-access repositories of preprint and postprint papers, and accepted to COSPAR, a Tier 1 space conference, and she served as a teaching assistant for an introductory computer science course.

As president of Delta Gamma, Chen left a considerable impact on the community and was heavily involved in iconic CMU traditions as a build chair for Booth and a push captain for Buggy. She further explored the larger potential of teamwork in effecting change as president of Global Business Brigades. Chen led their first trip post-COVID to rural Panama, where CMU students collaborated with local businesses, facilitated financial literacy workshops and provided consulting. After graduation, she will move to New York City and work as a software engineer at Datadog.

Honorary Degree Recipients

CHARLES L. EVANS
(TPR 1985, 1989)

Former President and CEO,
Federal Bank of Chicago

Doctor of Public Service

Charles L. Evans is a 31-year veteran of the Federal Reserve Bank of Chicago. As an advisor and policymaker attending Federal Open Market Committee (FOMC) meetings since 1995, his policy experiences span a broad set of episodes unique in post-war economic history. He became president and CEO in September 2007 and served for 15 years. During this time, Evans was recognized as a significant strategic thought leader on the FOMC. His continued advocacy for transparent communications and forward guidance facilitated the committee's adoption of the Evans rule in December 2012, more explicit committee projections for future policy rates, and enhancements to the long-run strategy of the committee for making monetary policy.

Evans is an accomplished economic researcher, with publications in top-ranked, peer-reviewed journals. His empirical research has focused on measuring the effects of monetary policy on U.S. economic activity, inflation and financial market prices. His contributions on dynamic modeling are widely cited and have been incorporated in central bank models around the world to assess policy effectiveness.

As a long-time Federal Reserve executive, he chaired Federal Reserve System committees that oversaw strategic assessments of Federal Reserve Bank operations during the COVID-19 pandemic, as well as investment activities to fund both defined benefit and defined contribution retirement plans for over 20,000 employees.

Evans has taught at the University of Chicago, the University of Michigan and the University of South Carolina. He received a bachelor's degree with high honors in economics from the University of Virginia and a master's and doctoral degree in economics from Carnegie Mellon University.

RENÉE ELISE
GOLDSBERRY
(CFA 1993)

Tony and Grammy Award
winning artist

Doctor of Fine Arts

Renée Elise Goldsberry is a multi-hyphenate actress and singer who has delivered award-winning performances both on Broadway and on screen. She is perhaps best known for originating the role of Angelica Schuyler in the musical phenomenon "Hamilton," which has become a cultural touchstone for the ages. Her performance earned her a Tony Award, Grammy Award, Drama Desk Award and a Lucille Lortel Award. She was also nominated for an Emmy Award for the Disney+ film adaptation.

Goldsberry currently stars in Tina Fey's Emmy nominated series, "Girls5eva," and she received a Critics Choice nomination for Best Actress in a Comedy Series for this role.

Other highlights from her film and television career include starring in the Marvel Universe as Mallory Book in "She Hulk" on Disney+, A24's critical darling "Waves" opposite Sterling K. Brown, the Netflix series "Altered Carbon," cult favorite "Original Cast Album: Co-Op" episode of "Documentary Now," "The Good Wife," "The House with a Clock in Its Walls," "The Immortal Life of Henrietta Lacks," and her creation of the beloved character Evangeline Williamson on ABC's "One Life to Live," for which she received two Daytime Emmy nominations and two NAACP Image Award nominations.

Goldsberry's appearances on stage include her Outer Critics Circle Award nominated performance in the play "Good People" and the original Broadway version of "The Color Purple." She made her Broadway debut as Nala in "The Lion King," and her performance as Mimi in Broadway's closing cast of "Rent" was immortalized on film. Most recently, she starred as Prospero in The Public Theatre's production of "The Tempest."

As a solo artist, Goldsberry garners rave reviews performing to packed crowds in concert halls and symphony spaces all over the country.

Honorary Degree Recipients

**WILLIAM D. STRECKER
(ENG 1966, 1967, 1971)**

Retired Executive Vice President
and CTO, In-Q-Tel

Doctor of Science and Technology

Carnegie Mellon University alumnus William D. Strecker (Bill) is a distinguished pioneer in computer architecture and electrical engineering whose body of work and leadership in the computing industry produced revolutionary technological breakthroughs. Strecker received his bachelor's, master's and doctoral degrees from CMU in electrical engineering, working with noted CMU professors Angel Jordan and Gordon Bell. He began his career at the RCA Research Labs before joining Digital Equipment Corporation where he worked for nearly three decades, serving as consulting engineer, senior vice president of engineering, chief technology officer and senior vice president of corporate strategy.

Strecker is best known for his role as the chief architect of Digital's highly successful flagship VAX computer, earning 16 patents for his cutting-edge engineering designs and contributions to local area networks, high performance interconnects, caches and memory hierarchies. Strecker later served as senior vice president of technology and corporate development at Compaq Computer Corporation and joined Flagship Ventures as a general partner and director of Flagship's portfolio of computer technology companies. He concluded his career as chief technology officer and executive vice president at In-Q-Tel, a nonprofit working with commercial startups to provide innovative "off the shelf" technology to the U.S. intelligence community.

During his consequential career, Strecker, a lifetime member of the Institute of Electrical and Electronics Engineers, authored numerous technical publications and was honored with the IEEE W. Wallace McDowell Award for outstanding contribution to the computer art. He was elected to the National Academy of Engineering and named a fellow of the Association for Computing Machinery in recognition of outstanding technical and professional achievements in the field of information technology. Strecker received CMU's Alumni Achievement Award in 2018 for his pioneering impact in computer architecture and engineering.

College of Engineering

DEAN OF THE COLLEGE
William H. Sanders

BIOMEDICAL ENGINEERING
Keith Cook, Head of the Department

CHEMICAL ENGINEERING
Carl Laird, Interim Head of the Department

CIVIL AND ENVIRONMENTAL ENGINEERING
Burcu Akinci, Head of the Department

ELECTRICAL AND COMPUTER ENGINEERING
Lawrence Pileggi, Head of the Department

ENERGY SCIENCE, TECHNOLOGY AND POLICY
Paul A. Salvador, Director of the Program

ENGINEERING AND PUBLIC POLICY
Peter Adams, Head of the Department

ENGINEERING AND TECHNOLOGY INNOVATION MANAGEMENT
Phillip Yu, Executive Director of the Program

INFORMATION NETWORKING INSTITUTE
Dena Haritos Tsamitis, Director of the Institute

MATERIALS SCIENCE AND ENGINEERING
Elizabeth C. Dickey, Head of the Department

MECHANICAL ENGINEERING
Jonathan Cagan, Head of the Department

CARNEGIE MELLON UNIVERSITY IN AFRICA
Conrad Tucker, Director of CMU-Africa and
Associate Dean for International Affairs-Africa

CARNEGIE MELLON UNIVERSITY IN SILICON VALLEY
Steven Rosenberg, Senior Director of Operations

STUDENT-DEFINED MAJORS
Conrad Zapanta, Associate Dean of Undergraduate Studies

BIOMEDICAL ENGINEERING

BACHELOR OF SCIENCE

The department offers an additional major B.S. degree with each of the six traditional engineering departments. Accordingly, our students are listed within their traditional departments.

MASTER OF SCIENCE

Artificial Intelligence Engineering - Biomedical Engineering

Taimur Abdul Aziz **
Alonso Santiago Buitano Tang **
Haineng Huang **
Shaurjya Mandal **

Biomedical Engineering

Camila Valerie Bodden **
Chassity Cheng *
Rhea Chopra
Clarissa Jo Clifton
Jared Scott Cohen **
Kumar Darsh
Lukas Waldemar DiBeneditto *
Pearl Franz
Alan Gallardo
Jemmima Richard Gonsalves
Ramzi Hamdalla *
Steven Thomas Jackson **

Aarohi Darshak Kapadia
Xinrui Li
Henry Winston Liu
William Marcus
Iris Pan
Mary Squire
Mohammadreza Tajik
Alyssa Thomas
Vaishnavi Santosh Umalkar
Yurika Yamada

Biomedical Engineering - Applied Study

Kevin Bui
Chun-Hung Chen **
Haoyu Chu
Chenyun Deng **
Vaishak Harish **
Kayla Emily Deanna Heyward **
Asha Joy Jacob *
Zachary James **
Hunsica J. Jayaprakash
Desmond Chin Yi Kuan **
Mohammadreza Moradi **
Caitlynn Owens
Gopika Satish **
Vanessa Serna Villa **
Jesse W. Shen *
Niki Taherian **
Alyssa N. Theroux *
Ethan Vega **

Ping-Ju Wu *
Taehyung Yoon **
Wenxuan Zhang

Biomedical Engineering - Research

Maanasa Guru Adimurthy
Mohammed Abdallah Algarni
Jiani Chen
YungYing Chen
Zixin Chen
Shakirah Cooper
Adrita Das **
Sai Shweta Gadepally
Carlos Facundo Gatti Machain
Spencer James Gibson
Zhuowei Gong
Hima Ravindra **
Yodsapatr Khuptiphongkun
Alec James Kramer
Liyuan Ma
Danny Magruder
Geonui Park
Yutian Qin
Shidhartho Roy *
Sandhya Sridhar
Yi Sun
Weifan Wang
Jingkai Wen
Hanchuan Xu
Yihan Zhang
Jiahui Zhu *

DOCTOR OF PHILOSOPHY

Colette Sandra Macedo Bilynsky
The Potential of Nanoparticle-Mediated Macrophage Polarization for Solid Tumor Cancer Therapy: Evidence Synthesis and Temporal Monitoring
Advisor(s): Elizabeth Wayne

Yeahwa Hong
Development of a Novel Ambulatory Pulmonary Assist System and Anticoagulation Strategy for Long-Term Respiratory Support
Advisor(s): Keith E. Cook

Tze Hui Koh *
Statistical Analysis of Calcium-Imaged Population Activity
Advisor(s): Steve Chase, Byron Yu

Songyang Li **
Tunable Multifunctional Bioinks for 3D Bioprinting Applications in Tissue Regeneration
Advisor(s): Phil Campbell

Mengrou Lu
Developing Technological Platforms for Targeted Cancer Therapies, Protein Drug Delivery, and Pathogen Detection
Advisor(s): Siyang Zheng

Adam L. Smoulder
Neural Population Mechanisms of Reward-Mediated Performance
Advisor(s): Steve Chase, Byron Yu

Yunhui Xing
Chemoselective Platform for Extracellular Matrix Functionalization to Boost Tissue Regeneration and Repair
Advisor(s): Charlie Ren

CHEMICAL ENGINEERING

BACHELOR OF SCIENCE

Chemical Engineering

◆ Malaika Georgean Alphons
Additional Major: Biomedical Engineering
Minor: Computer Science

Andrés R. Avilés Durand

◇ Daniel Edward Basson

Jackson Davis Bryan
Minor: Business Analytics and Optimization

Jacob Andrew Bryant
Additional Major: Biomedical Engineering

Ari Carden
Additional Major: Human-Computer Interaction

Jeffrey Chan
Additional Major: Biomedical Engineering

◇ Chetan Raghunath Chilkunda
Minor: Chemistry
Minor: Computer Science

◆ Justin Raymond Croyle
Minor: Materials Science and Engineering

◆ Tal Dassau
Additional Major: Biomedical Engineering

◆ Anais Chloe Del Rosario Martinez
Additional Major: Biomedical Engineering

Emma Rose De Stefano *

◇ Anna Maria Ferrante
Additional Major: Biomedical Engineering

◇ Ian Gimino
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Samantha Miles Glowasky
Additional Major: Biomedical Engineering
Minor: Environmental and Sustainability Studies

◇ Avi Shri Gupta
Additional Major: Biomedical Engineering

◇ Sophia Kaye Hoch

◇ Victoria Huang
Additional Major: Biomedical Engineering
Minor: Computer Science

Wilson Huang

◇ Anna Katalin Iacocca
Additional Major: Biomedical Engineering

Devina Jain
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Sherzoy Jan

◇ Sanjay A. Johnson
Additional Major: Engineering and Public Policy

Jamie Lynn Joseph
Additional Major: Biomedical Engineering

Bryce Kim

◆ Peyton Joseph Koscho
Additional Major: Biomedical Engineering

◇ Ethan Jun-Ki Kwack
Minor: Chemistry
Minor: Materials Science and Engineering

◇ Justin Wangying Lam
Additional Major: Biomedical Engineering

◆ Emily N. Lannen
Additional Major: Biomedical Engineering

◇ Younggyun Lee

Shaborn Leggette

◇ Fangyi Li
Minor: Biological Sciences

◇ Wenzhuo Li **

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◇ Alexandra Y. Locke
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Layla Jenine Malhas

◆ Gabriel Azure Antonio Mendez-Sanders

◇ Shawn Peter Noronha
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Roshan Paul *
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Ruby Perez-Fry
Additional Major: Hispanic Studies

◆ Aleksa Petric
Minor: Business Analytics and Optimization

◇ Keegan Scott Pietrak

◆ Alexander Serg Potchernikov
Additional Major: Biomedical Engineering

◆ Pariwat Quangkananurug
Minor: Business Administration
Minor: Chemistry

Varsha Ramanujam
Minor: Operations and Supply Chain Management

◇ Zachary J. Sabin
Minor: Chemistry

Sarah Elizabeth Scoles
Additional Major: Biomedical Engineering

◇ Claire Jen Su
Additional Major: Biomedical Engineering

◆ Luke Brownson Suddeth
Minor: Biomedical Engineering

Christina Despina Tavlarakis
Additional Major: Biomedical Engineering

◆ Brian Truong

◆ Ayesha Yogesh Tupe
Additional Major: Biomedical Engineering

◆ Harper Elizabeth Zondlak
Minor: Environmental and Sustainability Studies

MASTER OF CHEMICAL ENGINEERING

Chemical Engineering

Samuel Edward Chai

Alexander Craig

Aaron Donovan Cross

Leland A. Davies

Jasmine Madeleine Fahrenkrug

Sherzoy Jan

Natali Khalife *

Jacob Daniel Medley

Lance Evan Miller

Kyu Yeol Paik **

MASTER OF SCIENCE

Artificial Intelligence Engineering - Chemical Engineering

Suryanarayanan Balaji

Sergio Ivan Bugosen Tannous **

Gauri Pramod Dalwankar **

Saaksshi Milind Jilhewar **

Navaneeth Reddy Nama **

Jong Hoon Park **

Saroj Sathish **

Javal Mehul Vyas **

Chemical Engineering

Evan Bauer Casper

Daniel Alejandro Castellanos

Hao Chen **

Kathan Jignesh Desai **

Venkata Srikar Devarakonda **

Sayak Gangopadhyay **

Sai Krishna Sri Gudipudi **

Sourabh Rameshbabu Guduru **

Harsha Vardhan Reddy Kalakota **

Ravi Arvind Kalambur **

Seong Won Kim **

Yicheng Li **

Jinting Liu **

Bocheng Ouyang **

Tim Fabian Schwartzkopff **

Unnatti Sharma

Ruofan Shi **

Soumya Shikha **

Hao Wen Teng

DOCTOR OF PHILOSOPHY

Dasia A. Aldarondo
Shear Stress-Induced Phenotypic
Alterations in Monocytes: Exploring
Rheometer Shear, Milli-Fluidic Modeling
and ACE2 Dysregulation Effects
Advisor(s): Elizabeth Wayne,
Daphne W.Y. Chan

Mariah Lynn Arral
The Effect of Physiology and Chemistry
on Lipid Nanoparticle mRNA Delivery
Advisor(s): Kathryn A. Whitehead

Maya Bhat *
Enhancing Chemical Engineering
Research and Discovery Through
Data Science, Machine Learning
and Experimental Design
Advisor(s): John Kitchin

Kirby Broderick
Bridging Computation and Experiment
in Heterogeneous Catalysis with
Applied Machine Learning
Advisor(s): John Kitchin

Olivia Haider *
Controlling Properties of Particle-Laden
Interfaces Through Interfacial Processing
and Design Towards Emulsion Stability
Advisor(s): Robert Tilton, Lynn M. Walker

Aliakbar Izadkhah *
Periodic Vehicle Routing Problems:
Optimization Approaches and
Implications for Last-Mile Delivery
Advisor(s): Chrysanthos Gounaris

Jeremy Kach *
Dynamics and Structure Formation in
Field-Driven Suspensions and Emulsions
Advisor(s): Aditya S. Khair, Lynn M. Walker

Thomas Josef Krumpolc
An Optimization Framework for
Kinetic Modeling Building from
Concentration and Spectroscopic Data
Advisor(s): Lorenz T. Biegler

Kuan-Han Lin *
Advances in Nonlinear Model Predictive
Control and Their Applications
in Chemical Engineering
Advisor(s): Lorenz T. Biegler

Leran Mao *
Experimental and Computational
Approaches to Control Mammalian Cell
Proliferation, Protein Production and
Post-Translational Modifications
Advisor(s): Anne Robinson,
James Schneider

Alexandra Nicole Newby
Sugar Mama: Leveraging Human Milk
for RNA and Protein Drug Delivery
Advisor(s): Kathryn A. Whitehead

Dontavious Jamicheal Sippial *
Secondary Organic Aerosol Formation
from Biogenic and Anthropogenic Vocs
Advisor(s): Neil Donahue, Spyros Pandis

Kyle Tynan
Rapid Quality Analysis of mRNA Lipid
Nanoparticles Using Micelle Formulations
Advisor(s): James Schneider

Hannah Elizabeth Yankello
Bi-directional Communication Between
Monocytes and Trophoblasts: in vitro
Modeling and Literature Synthesis
Advisor(s): Elizabeth Wayne,
Anne Robinson

Xiangyu Yin *
Computational Materials Design:
Integrating Physics with Optimization
and Machine Learning
Advisor(s): Chrysanthos Gounaris

CIVIL & ENVIRONMENTAL ENGINEERING

BACHELOR OF SCIENCE

Civil Engineering

Kojo Aduhene

◆ Ava L. Badie

◆ Alexander Harrison Bram **

◆ Barbara Castro-Schell

◆ Jacob Chan **
Additional Major: Engineering
and Public Policy

◆ Vincent Mingray Cheng

Cecelia Dieterich
Minor: Business Administration

Andrea Paola Dominguez
Minor: Environmental and
Sustainability Studies

Alexander Dorfman

Bryan Estrada Rivera *

◆ Alejandro Fernandez Juarez
Minor: Business Administration

◆ Anjian Huang
Additional Major: Engineering
and Public Policy

Julane Johnson
Minor: Environmental and
Sustainability Studies

◆ Theodore Ross Krantz

Samantha Yan Lee

Kiran S. O'Farrell **

◆ Julie Adrian Olsen
Additional Major: Engineering
and Public Policy

◆ Justin Peng **

Nhu Tam Tat

John Christopher Troy

◆ Beatrice Wu
Additional Major: Engineering
and Public Policy

◆ Borui Xu

Environmental Engineering

◆ Nicolas Kelemen Bosquet
Additional Major: Engineering
and Public Policy
Minor: Global Engineering

◆ Katrina John D'Arms

◆ Ava Grace Folloni
Additional Major: Engineering
and Public Policy

◆ Katharine Grace Hart
Additional Major: Engineering
and Public Policy

◆ Eric C. Johnson

◆ Sophie Riannen Kochanek
Additional Major: Engineering
and Public Policy

◆ Lillian Li Mei
Additional Major: Engineering
and Public Policy

Cesare J. Pampena
Additional Major: Engineering
and Public Policy

◆ Michelle Anne Sung
Minor: Environmental and
Sustainability Studies

◆ Winona Wang
Additional Major: Engineering
and Public Policy

◆ Shiyu Zhu
Additional Major: Statistics

MASTER OF SCIENCE

Artificial Intelligence Engineering - Civil and Environmental Engineering

Chuanyue Gao **

Yexin Hu **

Yide Liu **

Jiaqi Meng **

Chunxin Tang **

Jiacheng Wang

Chen Zhang **

Civil and Environmental Engineering

Ishwrya Achuthan Geetha **

Sakar Adhikari **

Renad Aldebasi

Natasha Baruah **

Randell B. Doane **

Lauren Frances Familetti **

Aoran Fu **

Nicolas Gratius

James Michael Hayes

Brian Hernandez

Fiza Jalees **

Megan Irene Johnston **

Sophie Riannen Kochanek

Victoria Helen Kurker **

Tzu-An Lee **

Martin Alexander Leff **

Ziyue Li **

Yingning Ma **

Aris Misael Martinez **

Roberto Joaquin Martinez **

Ozan Baris Mulayim

Fagun Sanjay Parikh

Justin Peng

Philip David Roy Pilli **

William Yukai Qiu **

Saptarshi Saha **

Hosea A. Santiago-Cruz **

Chenbo Shen **

Runzhe Shi **

Yuling Shi *
Sydney Marie Shirriff **
Riya Shrestha **
Yiyun Song **
Vasanthawada Sri Ramana Saketh **
Mariam Vashakidze
Nimeesha Suresh Vellara **
Guanchun Wang **
Diana Lyn Warren **
Jada Mikaili Williams **
Ziyi Yang *
Botao Zan **

Civil and Environmental Engineering - Applied Study

Labdhi Vijaybhai Kagdi **
Steve Theol Lobo **
Deeksha Mallikarjuna Prasanna **
Namitkrishna Kuldeep Sharma **
Yanyu Xiong **

Computational Mechanics

Aron Griffin **
Uditnarayan Dilip Kouskiya **
Patrick Hastings Kozlowski
Umesh Sharma **
Siddharth Singh **
Balaji Pulipakkam Sridhar

DOCTOR OF PHILOSOPHY

Rami Samir Ariss
Coordinated Transportation Systems: From Grid-Savvy Routing for Electric Trucks to Stochastic Control of Demand-Responsive Vehicles
Advisor(s): Matteo Pozzi

Abhishek Arora **
A Study of Nonlinear Deformations and Defects in the Actuation of Soft Membranes, Rupture Dynamics and Mesoscale Plasticity
Advisor(s): Amit Acharya

Arnav Choudhry *
Understanding and Measuring the Performance of Mixed-Mode Urban Freight Delivery Systems Using Large-Scale Mobility Data
Advisor(s): Sean Qian

Janel Chua Song Ling **
Phase-Field Modeling of Defect Dynamics: Interplay Between Inertia and Viscous Stress
Advisor(s): Kaushik Dayal

Pablo Guarda Rosas *
Inferring Demand and Supply Characteristics of Large-Scale Transportation Networks Through Multi-Source System-Level Data
Advisor(s): Sean Qian

Yuanhao Li **
Rigorously Quantifying Uncertainties for Transport Phenomena in Molecular Simulations
Advisor(s): Gerald J. Wang

Kevin Angelo LoGrande *
Interpretable Dimension Reduction Procedures for Dynamical Systems
Advisor(s): Kaushik Dayal

Seyedeh Kiana Naghib Zadeh *
Multiscale Models of Growth: Microstructure Evolution & Mechanics of Surface Growth
Advisor(s): Kaushik Dayal

David Clare Rampton
A Comprehensive Geophysical Analysis to Determine Induced Fracture Distribution from a Hydraulic Fracturing Operation in the Marcellus Shale Formation
Advisor(s): David A. Dzombak, Mitchell J. Small

Sulagna Sarkar
Data-Driven Inverse Design of Optical Metamaterials
Advisor(s): Kaushik Dayal

Ying Shi
Cost-Safety-Aware Predictive Inspection Strategy for Heavy-Duty Fleets with Limited Historical Data
Advisor(s): Pingbo Tang

Vasikan Vijayashanthar *
Assessment of Temporal and Geographic Variability in Lead in Drinking Water for a System Under Different Compliance Conditions
Advisor(s): Mitchell J. Small, Jeanne VanBriesen

Jinding Xing
Functional Reasoning-Based Support System for Nuclear Power Plant Operators
Advisor(s): Pingbo Tang

Weiran Yao *
Predictive and Real-Time Traffic Management in Large-Scale Transportation Network
Advisor(s): Sean Qian

Pengji Zhang *
Understanding Transportation Network Flow Patterns with High-Dimensional Multi-Source Data
Advisor(s): Sean Qian

ELECTRICAL & COMPUTER ENGINEERING

BACHELOR OF SCIENCE

Electrical and Computer Engineering

Zuhieb Ibrahim Abdi
Wahib Abdillahi Abib
Emanuel Abiye
◆ Maximilian Christopher Adams
Grace Oluwatoni Ajayi
Minor: Computer Science
Rosina Ananth **
Minor: Computer Science
Shakthi Vignesh Angou
Minor: Computer Science
Arnav Arora
◆ Akash Arun
Callum Jay Bagnall
Michael Gary Bahner
◆ Owen David Ball **
Ria S. Balli

David Barajas-Jasso
◆ Alexandra Gena Batrachenko
◆ Nicholas David Beach
Minor: Robotics
Gabriel Besada
◆ Saumya Suresh Bhandarkar **
◆ Angie Bu
Rebecca Clarke Button **
◆ Twain Hyunhee Byrnes
Minor: Discrete Mathematics and Logic
◆ Zhexi Cao
Additional Major: Robotics
◆ Kelly Hyeamin Cha
◆ Xiaoyu Chai
Minor: Computer Science
◆ Shenai W. Chan
Minor: Human-Computer Interaction
Minor: Physical Computing
◆ Surya Chandramouleeswaran
◆ Qiyou Chang
◆ Ankita Chatterjee
◆ Jeffrey Ruinian Chen
◆ Lucy X. Chen
◆ Mingkai Chen
◆ Sizhe Chen
Additional Major: Computer Science
◆ Hongzhe Cheng **
◆ Joshua Xuan En Cheng **
Brian Seng Chhour
Matthew Choi
Andrew Chong
Minor: Robotics
◆ Caroline Chen Pei Crooks
Michael Patrick Crotty
Jaden Vijay D'Abreo
◆ Stephen Dai
Yuchen Dai
Additional Major: Psychology
◆ Wenqi Deng
Minor: Human-Computer Interaction
Ifeanyichukwu Ikenna Ene
Israel Adonte Escobar-Camacho
◈ Alan Esquenazi
◆ Ran Fang
Minor: Psychology
◆ David Chenlong Feng **
Minor: Robotics
◆ Jerry Feng
Jada N. Fink
◆ Noah Sumar Gaertner
Sarah Rene Gaiter
◆ Erin Gao
◆ Ricky Gao
◆ Sebastian Jesus Garcia
◆ Luca Rodolfo Garlati
Alana C. Gerald
Minor: Media Design
Ashwin Aman Godura **
Nakul Neeraj Goenka *
◆ Devan Singh Grover **
Nina Yilin Guo

Weelie Guo

Abhinav Gupta
Minor: Computational Finance

Matthew Walter Hegi
Minor: Business Administration

Sirui Huang
Minor: Game Design
Minor: SCS Concentration
in Security & Privacy

Joshna Sridevi Iyengar

Bhavya Jain
Minor: Statistics

Shubhi Jain
Minor: Computer Science

Tushaar Jain **

Nathaniel James

Max S. Jantos
Minor: Biomedical Engineering

Navod Abeywickrema Jayawardhane

Nathalie Danielle Jeans

Yoo Chan Joung
Minor: Computer Science

Neelansh Kaabra

Thomas Kang

Caroline Victoria Kasuba **

Rashi Kejriwal **

Derek Kim
Minor: Business Administration

Jaesup Kim

Alex Kireeff
Minor: Machine Learning

Elijah Christian Knupp
Minor: Biomedical Engineering

Ishan Jagrut Kotecha
Minor: Business Administration

Jai Kumar
Additional Major: Robotics

Varun Kumar

Michael Hua Lang

Gaeun Lee

Seung Yun Lee

Thomas Lee

Yujun Lee

Jue Li
Minor: Business Administration
Minor: Technology and Policy

Karen Yang Li

Thomas Yangping Li

Ziyu Li
Minor: Art
Minor: Game Design

Caleb Lille **
Minor: Electronic Materials

Ryan Lin

Grace M. Liu

Yixuan Liu
Minor: Biomedical Engineering

Yushuang Liu

Jason Xu Lu

Yichuan Luo

Bradley Jiming Ma
Minor: Decision Science

Sejal Megna Madan
Minor: Innovation and Entrepreneurship

Luke Vincent Marolda
Minor: Computational Finance

Yuma Matsuoka
Minor: Computer Science

Zhiying Meng

Myles Mwathe

Mrinali Nakhre **

Aditi Narasimhan
Additional Major: Philosophy

Matthew Ngaw

Pengtao Ni *
Additional Major: Japanese Studies

Tjun Jet Ong

Zeynep Ozkaya
Minor: Biomedical Engineering

Rio Pacheco

Brandon Pan

Shuailin Pan

Meera Pandya
Minor: Psychology

Leia Park

Ritu Pathak
Minor: Computer Science

Somya Pathak
Additional Major: Biomedical Engineering

David Zheng Peng
Minor: Computer Science

Alexander Blount Penney

Jose Sebastian Peralta

Christopher John Porco

Anika Aishwarya Prasad
Minor: Computer Science

Kavish Neel Purani

Rohan Raavi

Varun Rajesh

Neeraj Ramesh

Rene Ravanan
Minor: Computational Biology

Brooke Matthew Rodriguez

Julian Christian Rodriguez

Mary Rose Rubino

Zoe Catherine Rudnick
Minor: Computational Biology

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Minor: Chinese Studies

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Minor: Business Administration

Siddhant Sapra
Minor: Machine Learning

Sree Devee Hiranmayi Sattenapalli
Minor: Physics

Anoushka Sengupta
Minor: Robotics

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Ronit Viral Shah

Tahaseen Shaik
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Yufei Shi

Sanjana Shriram **

Hang Shu

Hayden Gerard Simon

Harshul Singh
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Jaspreet Singh **

Saniya Singh

Anish Singhani

Rohan Vatsal Sonecha

Jae Jaehyeon Song

Kevin Song

Punpaporn Srinualnad

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Freda Su
Minor: Physical Computing
Minor: Robotics

Tianyi Sun

Carson Eliel Swoveland

Sumayya Anwar Syeda
Additional Major: Robotics

Yize Tang
Minor: Computer Science

Aleksander Karol Tarczynski **

Surafel Melese Tsadik

Korene Tu

Doreen Valmyr

Anirud V. Durani
Minor: Electronic Materials

Zipiao Wan

Jiayi Wang

Yucong (Sherry) Wang

Carter Weaver

Joseph Robert Wildman

Brendan Henry Wilhelm

Casper Wong
Additional Major: Engineering
and Public Policy

David Sun Wu

Shiheng Wu
Additional Major: International
Relations and Political Science

Zhehua Xiang

Yuxuan Xiao

Simon W. Xu

Erin Yan

Olivia Yang

Yixin Yang
Minor: Business Administration
Minor: Computational Finance
Minor: Computer Science

Zhejia Yang **
Minor: Mathematical Sciences

Zina N. Zarzycki

Steven C. Zeng

Lin Zhan
◆ Kobe Wenda Zhang
◆ Junrui Zhao
  Additional Major: Computer Science
◆ Yuhe Zheng **
  Minor: Media Design
◆ Nathan Junyao Zhu
◆ Alvin Ruihua Zou
  Additional Major: Robotics

MASTER OF SCIENCE

Artificial Intelligence Engineering - Electrical and Computer Engineering

Eric Zhiyu Yang

Artificial Intelligence Engineering - Electrical and Computer Engineering - Applied Study

Bin Peng **

Electrical and Computer Engineering

Karen Johanna Wanek Abruzzo **
Daniel Adenew
Abhishek Agarwal
Divya Aggarwal
Rock Agon
Ateny Gabriel Aguto
Israel Oluwaferanmi Alagbe
Abdullah Alajlan **
Anoushka Priya Alavilli **
Ahmet Oguz Atli
Edison E. Aviles
Mukundh Balajee
Aime Bambarinkenga **
Shruti Bansal
Ankita Bhanjois **
Yuhan Bi
Ghislain Bisamaza **
Shreyashri Biswas **
Lambert Bizimana **
Angie Bu
Kate Buckenham
Gustave Munezero Bwirayesu **
Ryan Cai **
Ning Cao **
Akshay Chekuri
Jeff Hui Chen
Tianyue Chen
Joshua Xuan En Cheng
Sun A. Cho **
Louis C. Chomas
Andrew Clayton Cochran
Eliana B. Cohen *
David R. Cooper **
Yasser Corzo
Tanvi Daga **

Haoxiang Dai **
Jingtian Dang **
Swapnil Das *
Iris Peng-Hui Yu Dong **
Jin Dong Dong **
Yining Duan
Sydney Yi Ling Dunn **
Dusabe Patience **
Kwizera Urindwa Esther **
Aden Alejandro Fiol
Cynthia Xuehan Fu **
Noah Sumar Gaertner
Christian Gakindi **
Spatika Ganesh **
Minghan Gang
Chi Gao
Luca Rodolfo Garlati
Anna Gerchanovsky
Stella Amanda Getz
Taspon Gonggiatgul
Alejandro Gonzalez Lazaro
Sudharshanan Govindaraj
    Ramanathan **
Sachit Goyal
Tianlang (Harris) Gu
Aayush Gupta
Gustav Hansen
Logan Herman **
Andrew H. Huang
Luis David Hurtado
David Ethan Cheng Hwang **
Remy Ihabwikuzo **
Yves Marie Ishimwe Kirunga **
Varun Jain **
Eric P. Jenny
Aishwarya Joshi **
Himbaza Jules Bienvenue **
Neelansh Kaabra
Jonathan Austin Ke **
Dechabhol Kotheeranurak
Brendon Laci
Jason T. Ledon
William Edison Levison Leyman **
Jiyang Li
Minhao Li **
Tianzhuo Li
Xiang Li
Xuanye Li
Chien-Hung Lin **
Shao-Yu Lin **
Weiran Lin **
Jinyuan Liu
Shizhen Liu
Ziang Liu **
Lloyd John Lobo **
Jiacheng Lu
Duc Vinh Luu
Sejal Megna Madan

Parth Maheshwari
Rebecca L. Manley
Vikram Thayu Marmer **
Zachary Yang Mason
Priyambada Prakash Mishra
Shruti Mittal **
Yuhong Mo **
David John Morvay
Moses Isaac Thani
Agnes Nakalembe
Mrinali Nakhre **
Rachana Murali Narayanan **
Allan Hari Nesathurai **
Michael Minh Nguyen
Pengtao Ni
Anisha Nilakantan
Niyigena Marie Claire **
Brandon Pan
Rajeswara S. Racharla
Justin Rager
Aditi Kidao Raghavan
Sahana Shree Rangarajan **
Rachel Freeman Ratnam
Jon Paolo Farpale Recta
Harry Joseph Rosmann
Inkindi Mutoni Sabine **
Omkar Bharath Savkur **
Ishraaq Shaikh Shams **
Sidharth Sharma **
Yuyi Shen
Brian Singer
Anish Singhani
Jason Alexander Smith
Karen Meng Song
Elinora Joan Stoney **
Alexander Roy Strasser **
Bojun Sun
Linsey H. Szabo
Jorge Juan Tamayo **
Neha Tarakad
Aleksander Karol Tarczynski
Saral Tayal **
Sushmith Thuluva **
Nicholai Tukanov **
Yun Tung **
Liliane Tuyishime **
Chalisa Udompanyawit
Deo Uwimpuhwe **
Titouan Veauvy **
Vishnu Vardhan Vemuru
Nora Yining Wan
Chengyue Wang
William Wang **
Zhenyi Wei
Semebia Yaa Wurah
Mingrui Yang **
Zhejia Yang

Jasmine Yew
Shang-Yi Yu **
Abdul-Jalil Zakaria **
Mae Zhang **
Xinyi Zhang **
Yizhou Zhao **
Zhichun Zhao
Yongqi Zhou

Electrical and Computer Engineering - Advanced Study

Heba Abbud
Adedayo Samuel Akinade
Umuhoza Alice **
Maitham Fouad Alsunni **
Yamlak Asrat Bogale
Ruoyu Chen **
Liangyu Cui **
Jiachen Ding
Quanchen Ding
Richard Djarbeng
Haoyang Fan
Jiajun Hu **
Yu-Hsun Huang **
Ziying Jia
Adam Mescall Johnson
Akshath Kachinthaya
Sanuratu Koroma **
Daniel Kwizera
Chao-Peng Liu **
Yuxi Liu **
Zhenyu Lu
Kewei Ma
Mabano Rahman
Ilaria Manneschi
Anthony Bryant Meza
Avaneesh G. Murugesan
Denis Musinguzi
Galane Basha Namomsa
Quentin Johannes Oschatz
Jong-Ik Park
Yihan Ruan **
Marshal Anesu Ruzvidzo
Thomas Calvin Schmitz
Vineeth Madhusudhan Sharma
Wenxin Shi
Bo Ying Su
Eion Tyacke
Ying-Han Wang **
Yiqi Wang
Hao Wu **
Zewei Xiang **
Haoxiang Yang
Zihao Yang **
Kaiyang Yu
Adnaan Yunus

Xiangjian Zeng **
Xiaoyi Zhang
Yifan Zhang **
Mingzhen Zhao
Yichen Zheng
Zeping Zhu **

Electrical and Computer Engineering - Applied Advanced Study

Omar Mohammednabil Alama
Gengyu Chen
Kexin Chen
Ruiying Chen
Xinyu Chen
Yanbing Chen
Sheng Cheng
Anant Chopra **
Xiying Deng **
Balasubramanyam Evani **
Nihar Gaddam **
Zejun Gong
Wenbo Gou
Xin Guan **
Kelsey Joseph Harvey *
Abhinand Jha **
Suryaa Kasthurisamy Selvaraj **
Akshara Khare **
Jiani Li
Jiayi Li
Zekai Li
Ao Liu
Yufei Liu
Chenfei Lou
Chuang Ma **
Tianyi Peng **
Kofi Adusei Poku **
Liao Qu
Krish Sethi
Shikhar Sharma **
Shuoyan Shen **
Li Shi **
Zihong Shi **
Yen-Shuo Su
Sravan Venigalla **
Shenhao Wang **
Siqi Wang
Yifan Yan
Ziheng Yan **
Yihan Yang **
Xinyu Michelle Zhang Zhang
Chongyi Zheng **
Zilong Zhou
Jiangyifei Zhu
Xianwei Zou

Electrical and Computer Engineering - Applied Study

Shoba Arunasalam **
Sunghwan Baek
Tejas Avlok Bana
Rohit Bangal
Adeesh Bhargava **
Anwesa Bhattacharya
Yi Cai **
Heena Chandak
Chi-Chen Chang **
Tsui Yun Chang
Haoyu Chen **
Hung-Chieh Chen
Jhao-Ting Chen **
Po-Chun Chen
Xiaoliang Chen **
Obianuju Nena Chika-Nwanja **
Wei-Lun Chiu **
Srishti Chouhan
Caleb Snowden Cole **
Shravani Manohar Dhote **
Chenghao Duan
Xinyi Fan
Yongzhi Gao
Yuanjun Gao
Prarabdh Garg **
Gopika Geetha Kumar **
Tianyao Gu **
Kunal Gulati **
Dhruv Gupta **
Bowen Han
Yichen Han
Disha Balachandra Hegde
Min-Chien Hsu **
Sai Mitheran Jagadesh Kumar **
Anya Jasthi
Tong Jin **
Shubham Ashutosh Kulkarni **
Aaron Kuo
Tianxin Li
Yilei Li
Zongchen Li
Pingyuan Liang
Hanzhe Lu
Xiaoxuan Lu **
Youngseok Na
Elakhya Nedumaran
Nischal Mahadeshwar
Zhiyang Pan
Zimeng Pan
Ajith Potluri **
Vidya Prabhakar
Sanjana Santosh Prabhu **
Aylmer Britto Rex Harison **
Saurabh Roychowdhury **

Madankumar Sathenahally Nagaraju **
Sitong Shang
Ziwei Sheng
Sahil Thandra
Bhaavanaa Thumu
Aditya Thurvas Senthil Kumar
Netra Pragnesh Trivedi
Chaoyi Wang **
Guangrui Wang **
Xiang Wang **
Xingyuan Wang
Yihan Wang
Yao Xu
Tianhao Ye
Jingxia Zhong
Nan Zhu **

Software Engineering

Vishaal Bhat Agartha *
Po-Hao Chang **
Ziyang Chen
Yang Cheng **
Shu-Yu Cho **
Christian Eilers Gonzalez **
Jinqian Fan
Yi Feng **
Hejin Gu **
Sri Krishna Sankalp Gunturi **
Kejie He
Rui Huang
Xi Huang **
Zixiang Jin **
Alexander J. Kim
Kishan Kumar **
Christina Lam **
Gordon Lei **
Haoxin Lin **
Nathan Liu
Lakshmee Sravya Maddipati
Nischay Negi **
Ami Hasmukh Patel
Yangyang Peng
Yang Song **
Jinrong Sun
Victor Szabo **
Yihang Wang **
Yaokang Wu **
Zihang Xu
Xiaoyan Yang
Zhaohua Zeng **
Chuanxin Zhang
Lifu Zhang **
Qiuyang Zhang **

Software Engineering - Applied Study

Saksham Bhalla **
Panambur Pawan Bhandarkar **
Xichen Bo **
Ruyi Cai
Liyang Chen
Rui Chen
Wei Chung Chen **
Xinyi Cui **
Hanqi Dai
William James Du **
Yunjia Feng
Xinyi Fu
Neha Dilip Gidwani
Xueyao Guo **
Yu Han **
Markus Handel
Feiran Hu **
Feiyi Hu **
Ziyu Huang **
Yiyang Huo **
Manav Jain **
Anukriti Jaiswal
Ashish Kumar Jha
Huizhuoma Jiang **
Tongzhou Jiang **
Yuji Jiang **
Yuxin Jiang
Sweta Kabi **
Ojas Suhas Kapre
Meng-Pei Lee **
Tung-Sheng Lee
Bo-Kuan Liu
Jieqiong Liu **
Mengche Lu **
Xuanru Meng **
Cheng-Chuan Peng **
Chien-Shan Peng **
Jetashree Ravi
Divyam Bankimkumar Shah **
Aishwarya Singh **
Jiawen Song **
Pallav Kalpeshkumar Soni **
Pei-Chiang Su **
Yinzhu Su
Chun-Wei Tsao **
Shiang Ting Tseng
Hongshu Wang
Ta-Wei Wang
Yihong Wang **
Zhaoxing Weng
Yufei Xiang
Zherui Xie
Chen-Wei Yang **
Congrui Yang

Junjie Yang
Qiyuan Yin **
Anni Yuan **
Tianyu Zeng **
Xunyi Zhou **

DOCTOR OF PHILOSOPHY

Uzair Ahmed **
Advancing Retail Robotics: A Vision-Based, Out of Stock Detection System for Retail Scenes Without Planograms
Advisor(s): Marios Savvides

Zabir Ahmed
Microfabricated Stainless Steel Neural Probes and Electro-Optic Multiplexing for Ultra-High-Density Neural Recording
Advisor(s): Maysam Chamanzar

Byeongjoo Ahn **
Full-Surround 3D Reconstruction Using Kaleidoscopes
Advisor(s): Ioannis Gkioulekas, Aswin C. Sankaranarayanan

Ahmet Oguz Atli
Soft Error Analysis and Design Space Exploration of Radiation-Hardened System-On-a-Chip Platforms
Advisor(s): Ken Mai

Mohammad Bakhshalipour
Bridging Real-Time Robotics and Computer Architecture
Advisor(s): Phil Gibbons

Darion Cassel *
Practical End-to-End Analysis of Information Flow Security Policies
Advisor(s): Limin Jia

Wei Yu Chen **
Computational Imaging with Self-Interference
Advisor(s): Matthew P. O'Toole, Aswin Sankaranarayanan

Brand Denby
Orbital Edge Computing: Software, Hardware, and System Support for Computational Satellites
Advisor(s): Brandon Lucia

Michael De Zeeuw
Wide-Baseline Light Fields - Imaging and Applications
Advisor(s): Aswin Sankaranarayanan

Alexander Dillon Gaudio *
Explainable Deep Machine Learning for Medical Image Analysis
Advisor(s): Aurelio Campilho, Asim Smailagic

Mengwen He *
Collaborative Relative and Absolute Localization (CORAL) for Autonomous Vehicles
Advisor(s): Raj Rajkumar

Aqsa Kashaf *
Towards a More Resilient Web Infrastructure
Advisor(s): Yuvraj Agarwal, Vyas Sekar

Taejin Kim *
Optimizing Distributed Machine Learning on User-Variant Edge Computing Systems
Advisor(s): Carlee Joe-Wong

Kaiyuan Li
Pangine Disassembler: Implementing and Evaluating Non-Sequential Code Analysis with Non-Chronological Backtracking
Advisor(s): Limin Jia

Yu-Jhe Li **
Domain Adapted Visual Representation Learning for Machine Perception
Advisor(s): Kris Kitani

Isabel E. Murdock
Information Diffusion over Diverse Social Media Platforms and Simulated Cross-Platform Impacts of Interventions
Advisor(s): Kathleen M. Carley, Osman Yagan

Chao Rong *
An Efficient Reinforcement Learning Framework for Analog Circuit Calibration
Advisor(s): L. Richard Carley

Brian Connor Schwedock *
Optimizing Data Movement Through Software Control of General-Purpose Hardware Caches
Advisor(s): Nathan Beckmann

Rahul Anand Sharma **
Practical Network-Layer Machine Learning for Iot Security
Advisor(s): Anthony Rowe, Vyas Sekar

Roshan Sankaranarayanan Sharma
End-to-End Modeling for Abstractive Speech Summarization
Advisor(s): Bhiksha Raj

Liting Shen *
A RRAM Array for Logic-in-memory Applications
Advisor(s): Jim Bain

Yuyi Shen
Self-Healing Power Amplifiers for Wireless Security in Extreme Environments
Advisor(s): Vanessa Chen

Laixi Shi *
Provable Algorithms for Reinforcement Learning: Efficiency, Scalability and Robustness
Advisor(s): Yuejie Chi

Milijana Surbatovich *
Designing Formally Correct Intermittent Systems
Advisor(s): Limin Jia, Brandon Lucia

Yoshiki Takashima
Testing and Verifying Rust's Next Mile
Advisor(s): Limin Jia, Corina Pasareanu

Derya Z. Tansel *
Aerosol-Jet Printing of Interconnect and Chip-Level Stiffness Gradients for Stretchable Electronics
Advisor(s): Gary K. Fedder

Ran Tao
Towards Learning with Limited Supervision: Efficient Few-Shot and Semi-Supervised Classification for Vision Tasks
Advisor(s): Marios Savvides

Vaibhav Singh *
Towards Miniature Ground Stations for Low Earth Orbit Satellites
Advisor(s): Swarun Kumar, Osman Yagan

Zifan Wang *
On the Feature Alignment of Deep Vision Models
Advisor(s): Anupam Datta, Matt Fredrikson

Yangyang Raymond Xia
Speech Enhancement Using Deep Neural Networks
Advisor(s): Richard M. Stern

ENGINEERING & PUBLIC POLICY

BACHELOR OF SCIENCE

The department offers an additional major B.S. degree in Engineering and Public Policy with each of the six traditional engineering departments and in Science, Technology and Public Policy with other departments. Accordingly, our students are listed within their traditional departments.

MASTER OF SCIENCE

Engineering and Public Policy

Abdulhamed Hamad Aldosari **

Abdulaziz Eidhah Q. Aljuaid

Nana A. Anokye

Sheng Lun Cao **

Jacob Chan

Yirui Deng **

Diana Imelda Fernandes Vieira Fernandes

Victor Ibarra Jr.

Courtney Jones

Koo Wei De

Yuxuan Liu **

Emily Jean Moore *

Nur Arinta Dara Pramadyani

Gianna White **

Xiaohan Wu **

DOCTOR OF PHILOSOPHY

Shuchen Cong *
Data-Driven Energy Equity Framework: Quantifying, Identifying and Mitigating Energy Limiting Behavior Through Human-Centered Analysis
Advisor(s): Destenie Nock

Kyle Robert Crichton **
Tracking User Web Browsing Behavior: Privacy Harms and Security Benefits
Advisor(s): Nicolas Christin, Lorrie Cranor

Luke Raymond Dennin **
Advancing and Applying Integrated Air Pollution and Economic Modeling for Emissions-Related Policy Analysis in the United States
Advisor(s): Nicholas Muller

Teagan E. Goforth
Assessing the Equality and Sustainability Impacts and Trade-offs of the Energy Transition in the United States
Advisor(s): Destenie Nock

Lily Hanig
Planning for Equitable Outcomes During Periods of Disruption in the Transportation Sector
Advisor(s): Corey Harper, Destenie Nock

Katherine Halloran Jordan
An Energy Systems Model Approach to U.S. Decarbonization: Technological Solutions, Policy Pathways and Equity Outcomes
Advisor(s): Peter Adams, Paulina Jaramillo, Nicholas Muller

Yamit Lavi *
A Technoeconomic Analysis of the Challenges and Opportunities in Integrating Inverter-Based Resources into the Electrical Grid
Advisor(s): Jay Apt

Natharat Mongkolsinh *
Navigating Political Change: A Study of the Resilience of Key Stakeholders in the Innovation Ecosystem
Advisor(s): Daniel Armanios

Katrina Ramirez-Meyers *
Experimental and Techno-Economic Analyses of Low-Cost Battery Materials and Processes
Advisor(s): Barry Rawn, Jay Whitacre

Nicola Joy Ritsch
Informing Policy Proactively: Using Existing Gaps in Infrastructure, Preferences and Skills as Social Sensors
Advisor(s): Daniel Armanios, Baruch Fischhoff

Victor Antonio-Lee Rodriguez **
A Benefit-Risk Framework for Brain Computer Interfaces: A User-Centric Communication Method for Informed Decision Making
Advisor(s): Baruch Fischhoff

Rudolph Caballero Santarromana
Opportunities to Improve Deployment Prospects of Offshore Wind
Advisor(s): Ahmed Abdulla, Joana Mendonca, M. Granger Morgan

Tamara Heilshorn Savage
Improving Technology Forecasting by Including Policy, Economic, and Social Factors
Advisor(s): M. Granger Morgan

Sean Gordon Thompson Smillie *
Challenges at the Interface of the Natural Gas and Electric Systems
Advisor(s): Jay Apt

Sarah Anne Troise
Tools to Support Portfolios of Low-Carbon Electricity Technologies
Advisor(s): M. Granger Morgan

Tracey Lynne Ziev *
Technoeconomic Analysis of Laser Powder Bed Fusion to Produce High-Performance Metal Heat Exchangers
Advisor(s): Parth Vaishnav

INFORMATION & COMMUNICATION TECHNOLOGY

MASTER OF SCIENCE

Engineering Artificial Intelligence - Kigali, Rwanda

Hassan Ali Moutaman Abdelmagid

Miracle Olakunle Akanmode
Eugenia Mawuenya Akpo
Bwire Patience Nabwire
Muhammed Danso
Blessed Guda
Taye Hordofa Mihiretab
Inyange Lisa Yvette
Ammar Nasr Abda Khairi
Pacome Simon Mbonimpa
Joselyne Muragijemariya
Joshua Wambua Musau
Natasha Mutangana
Schadrack Niyibizi
Chukwuemeka Livinus Nkama **
Nyandwi Jean de Dieu
Bereket Adego Retta **
Kevin Sebineza
Epainitus Muchele Sirengo
Tsegazeab Taye Tefferi
Diane Tuyizere
Jeannette Uwizeyimana
Hadiza Umar Yusuf
Gabrial Zencha Ashungafac **

**Information Technology -
Kigali, Rwanda**

Robert Abangira
Abdihamdi Ali Abdi
Abdulmateen Adebiyi
Norman Angel Agong
 Alfred Akligo
Chukwuebuku Canice Akwiwu-
Uzoma
Eugene Antwi Amponsah
Edelqueen Menyie Anyam
Stephen Gift Mukoya Araka **
Choukouriyah Modoukpe Atinouke
Arinloye
Nana Ama Boadziwaa Atombo-
Sackey
Solomon Dodoo Attoh
Rachel Sarah Christelle Ayateke
Fidelis Ephraim Siisi Ayite
David Blair Bahizi
Linda Bhebhe
Theoneste Bizimungu
Tunga Tessema Chamisso
Cyimana Sandrine
Sebastian Dakey **
Richmond Opoku Duah
Samuel Dushimimana Shyaka
Emmanuel Ejeu
Tetevi Placide Ekon
Farida Eleshin
Samuel Ene-Ojo Emmanuel **
Bettrand Ewane Mbonteh
Fisha Zeray Gebremedhin
Giranza Fiacre

Sabine Gisagara
Clement Robert Habimana
Jean de Dieu Habimana
Nebiyou Daniel Hailemariam
Higiro James
Joel Higiro
Emmanuel Hirwa
Akpene Diata Hoggar
Ihogoza Valentine
Ines Ineza
Innocent Ingabire
Asaph Irabaruta
Aline Iradukunda
Josue Iradukunda
Walter Iradukunda Turikumwe
Jacques Iragena
Elvis Iraguha
Irambona Noah
Fabrice Irankunda
Claude Ishimwe
Kentia Ishimwe
Niyomwungeri Parmenide Ishimwe
Ishimwe Musonera Adeline
Agasaro Ines Ituze
Ivan Iyamarere
Anthony Taban Joseph
Rabiu Ibrahim Kabir
Kabutware Moses
Emmy Karangwa
Joseph Mutiga Kirega
Jean Baptiste Kwizera
Ndze'dzenyuy Lemfon Karl
Claudine Mahoro
Eric Maniraguha
Manzi Asifiwe Elyse
Mbonabucya James
Sagbadja Egidius Mendel Bignon **
Eric Micomyiza
Roger Mizero
Mpinganzima Rehema
Mucyo Nzivugira Ernest
Jackson Mudoko
Issa Mugisha
Jean Bosco Muhindangiga
Fulgence Muhirwa
Mukamisha Jacqueline
Jimmy Mukasa
Martin Mukunzi
Amelie Mumararungu
Murenzi Bienvenu
Stacy Murenzi
Amani Murera
Joel Jefferson Musiime
Emile Musoni
Juvenalis Mujivane Musungu
Victor Kibuth Mwangi
Kenneth Mwebesa

Phyllis Nabangi
Ndanyuzwe Gentil
Pacifique Clement Ndayisenga
Walterkirika Ndegwa
Ndungutse Patrick
Ngabo Uwayo Didier
Yves Ngabonziza
Shalon Njeri Ngigi
Ngirimana Schadrack
Alain Destin Nishimwe Karasira
Venuste Niyodusenga **
Gilbert Niyongere
Niyonkuru Moise
Yves Nkaka
Ntamakemwa David
Regis Ntwari
Nzimenyera Innocent
Okemawo Aniyikaiye Obadofin
Emmanuel Nyarko Obeng
Temitope Philip Oguntade
Adekunle Oje
Daniel Osei
Brian Rubimbura
Rukundo Kabare Benedictus
Junior Rutamu
Rutikanga Daniel Kasigazi
Shema Lucien
Ariane Shimirwa
Shumbusho Edgar
Gilbert Sibomana
Kago Sutlhe
Opelo Tshekiso
Ronald Tumuhairwe
Eric Turatsinze
Edwin Tuwei
Gilbert Tuyishime
Ugwu Chukwuemeka Malachi **
Ivanie Stella Umuhoza
Umutoni Gaelle
Yollanda Umutoni
Grace Uwacu
Valodia Uwase
Rachel Uwera
Isingizwe Uwase Victoire
Peter Yefi

INFORMATION NETWORKING INSTITUTE

MASTER OF SCIENCE

**Artificial Intelligence Engineering
- Information Security -
Advanced Study**

Zehua Zhang

Artificial Intelligence Engineering - Information Security - Applied Advanced Study

Jiarui Li

Artificial Intelligence Engineering - Information Security - Applied Study

Tianrui Liu **

Dheeraj Mohandas Pai **

Information Networking

Can Cao **

Chen Gao

Yangdong Huang **

Meixuan Li

Information Networking - Advanced Study

Yuan Meng

Yixue Yin

Jingwei Yuan

Haoyu Zhang **

Yiheng Zhang

Information Networking - Applied Advanced Study

Sindri Pall Andrason **

Xiangliang Chen

Xinhao Cheng **

Shreya Deepak

Yueqi Liao

Ronghao Ni **

Nishant Ravi Shankar

Yadi Xiao

Tian Xie

Zijun Zhao **

Information Networking - Applied Study

Mahesh Reddy Bapatu **

Sravan Kumar Reddy Bhavanam

Indrajit Maloji Bhosale **

Chen Cao **

Yiding Chang **

Zelong Guan **

Junxi He

Yan He

Akhil Nagabhushana Kashyap

Kriti Kukreja **

Parardha Kumar **

Weisheng Li **

Zhaohong Lyu **

Aditya Malhotra **

Aishwarya Naidu Puthotta **

Krishna Sidharth Sagere **

Sumukh Shivarudra Murthy **

Sehajbir Singh **

Guan-Ting Ting **

Bannanje Akshay Upadhya **

Lanyi Wang **

Ruipu Wang **

Qiaowen Wu **

Letian Xiang **

Michael Xu **

Tsun-Chun Yang **

Yao Zhang **

Yuxiao Zheng

Information Security

Xin Yue Foo **

Jiatong Gao

Rohan Manchirala

Chisaki Nakaizumi **

Tomoyuki Sanda **

Paras Saxena

Yongjie Yu **

Information Security - Advanced Study

Matthew Woo

Information Security - Applied Advanced Study

Faisal Husain Abubaker Binmahfoudh *

Aditya Ashish Desai

Nandankumar Desai

Sri Harish Govinda Rajan

Yikun (Sherry) Liu

Prashanth Moturi Ramakrishna

Madeline Tasker-Fernandes

Nimish Yadav

Information Security - Applied Study

Tariq Ahmed **

Teresa Ines Alberto **

Sreeharsha Bandi

Thais Chloe Campanac-Climent

Jason Robert Croddy **

Arya Surendra Gandhi **

Isabel Gardner **

Ankshit Rajendra Jain **

Jiin Jeong

Akshat Joshi **

Siddharth Kumar **

Yuvraj Singh Malhi **

Manish Manohar **

Juhie Mohan Motiani **

Dharithri Nagarjun **

Dheeraj Nayak **

Noah Galegher Ross **

Hengze Ye **

Information Technology - Information Security

Kimaya Badhe

Elena Del Junco Sampol **

Hiroki Kimura **

Albert Lin **

Tristan Lin **

Shreya Mishra

Kanchan Sarolkar

Information Technology - Information Security - Advanced Study

Amit Chahal

Thanyanun Charoensiritanasin **

Jack Jia

Information Technology - Information Security - Applied Advanced Study

Hyun Soo Park **

Sai Ganesh Senthivel

Wenhao Song

Jose Bernard St Louis **

Information Technology - Information Security - Applied Study

Aryan Chandrakar **

Gayathri Chandrasekar **

Chengcheng Ding **

Neha Gautam **

Ragashree Mysuru Chandrashekar **

Sivani Papini **

Chetan Ulhas Pathade

Priyanka Peddareddappa **

Thenuga Priyadharshini **

Vibha Dhiraj Puthran **

Rakshitha Raghu Ghorphade **

Nivea Sharma **

Aaromal Sujith **

Hitesh Yadav **

Qingkang Yu **

Mobile and Internet of Things Engineering

Zhen Cao **

Caiyi Deng **

Jeffrey Kuo **

Weiheng Pan **

Mobile and Internet of Things Engineering - Applied Advanced Study

Maansa Krovvidi

Tianyi Li

Yuexiang Liao

Yiyang Liu

Zhiyi Shi

Chun Zhang

Mobile and Internet of Things Engineering - Applied Study

Athilesh Arputham **

Charles Peprah Asiama

Jiayue Lai **

Junlin Luo **

Yiru Mao **

Xiao Ming **

Harsha Nikhar **

Ajinkya Milind Prabhu **

Anagha Ravi Shankara **

Hao Ren **

Asmita Sawhney **

Shiyu Wang **

Haozhe Yang **

Qinzhe Yang **

Chenjie Zhu **

Min Yi Zou **

INTERDISCIPLINARY STUDIES

BACHELOR OF SCIENCE

General Studies

Wonho Kang
Minor: Game Design

MASTER OF SCIENCE

Energy Science, Technology and Policy

Elizabeth Anne Barre

Dhruv Manoj Jain

Martin Japheth Semwanga

Energy Science, Technology and Policy - Advanced Study

Nirmit Deshpande **

Jingyi Liu **

Ruotong Wei **

Energy Science, Technology and Policy - Applied Advanced Study

Malvika Agarwal **

Swaraj Sanjeev Degaonkar **

Pratiksha Ganesan **

Sriram Sankar Hari **

Pattamon Lekmanee **

Arushi Singh Parihar

Jai Shekhar **

Engineering & Technology Innovation Management and Integrated Study in Computer Science

Haoying Zhang **

Engineering and Technology Innovation Management

Hope Blessing Abeho

Farhan Ahmad **

Shayan Ali **

Zhenhao An **

Pragyan Aryal **

Christopher T. Bailey **

Breuna Bishop **

Ankita Reddy Bodigam **

Amogh Sudhir Borikar **

Yifan Chen **

Yiyang Cheng **

Clarissa Jo Clifton

Jemmima Richard Gonsalves

Tong Hu **

Prince Mukeshkumar Jain **

Aadit Pranav Javeri **

Ricardo Jonathan **

Aarohi Darshak Kapadia

Wanru Li **

Xinrui Li

Qianxin Liu **

Yanyan Luo **

Teena Malani **

Amruta Prabhakar Markad **

Yuxuan Ni **

Fagun Sanjay Parikh

Prakhar Sharma **

Runzhe Shi **

Zhilong Song **

Mary Squire

Jia Tao **

Ching-Chieh Tseng **

Vaishnavi Santosh Umalkar

Xinye Wang **

Yuchen Wang **

Zhenyi Wei

Jie Wen **

Chushan Xiao **

Hanlu Xu **

Yurika Yamada

Qijia Zhou **

MATERIALS SCIENCE & ENGINEERING

BACHELOR OF SCIENCE

Materials Science and Engineering

Ahmed E. Abdelhameid

◆ Zhiyang An

◆ Jack Evan Beardshear
Minor: Physics

Thomas H. Brecher
Additional Major: Biomedical Engineering

Catherine Shuran Cai
Additional Major: Biomedical Engineering

Erick Chavarria **

◆ Joanne Chin
Minor: Design

◆ Alex Ching
Minor: Art
Minor: Biomedical Engineering

◇ Malachi Joshua Chou-Green

◆ Vincent Holan Du
Additional Major: Biomedical Engineering

◆ Terry Yongming Feng **

Elliot Conrad Frankel

◆ Lukas Damien Glist
Minor: Soft Technologies

Michelle Gonzalez Perez

Gavin Mark Grnja *
Additional Major: Creative Writing

◆ Chase Robert Guida
Minor: Computer Science

◇ Zoe Jacobs
Additional Major: Biomedical Engineering

◆ Seoyoung Joo
Minor: Creative Writing
Minor: Electronic Materials

◆ Sona Marukyan
Additional Major: Biomedical Engineering

◆ Charlotte B. Ng
Additional Major: Engineering
and Public Policy

◆ Sraavya Ranga

◆ Alexandra Reyes
Additional Major: Biomedical Engineering

◇ Siya Shekhar Scindia
Additional Major: Biomedical Engineering

◆ Brian Jisung Shin
Additional Major: Robotics

Leena Yejin Shin

◆ Ethan Song
Minor: Chemistry

John Robert Sonne
Minor: Business Analytics
and Optimization

◆ Emerald Tan
Additional Major: Biomedical Engineering

◆ Adrian Hai Tran
Minor: Psychology

◆ Nihar H. Trivedi
Additional Major: Biomedical Engineering

Ria Vijayvargiya

◆ Kaitlin Wu

◆ **Anand Ram Yallapragada**
Additional Major: Biomedical Engineering

◆ **Timothy Chun-Hsiu Yang**
Additional Major: Biomedical Engineering
Minor: Chemistry

Fengkai Zhang
Minor: Computational Biology

◆ **Kevin Zhang**
Minor: Design

Kevin Zhou

MASTER OF SCIENCE

Artificial Intelligence Engineering - Materials Science and Engineering

Rochan Bajpai **
Hongshuo Huang **
Tong Liu **

Computational Materials Science and Engineering

Tzu-Hsuan Chen **
Yusheng Liu **

Materials Science

Jackson Cole Adler
Corinne Jessica Charlton
Hsiao-Chun Chen
Jixuan Dong **
Mengtian Gan
Wanqing Hong
Yuelin Huang
Aditya Rohan Narra
Prakruti Vora
Peter David Wilkerson **
Yi Yuan **

Materials Science and Engineering

Evan Adcock **
Chase Robert Guida
Zoe Jacobs
Jubin Lee **
Zijian Liu
Matthew Joseph Melfi
Nhu Nguyen Anh Ngo **
Hayden Markus Nuyens
Brian Jisung Shin
Adrian Hai Tran
Dylan Treaster
Shaun Michael Walters
Liyang Wang
Yingqiao Wang **
Quantum Zhuo

DOCTOR OF PHILOSOPHY

Ayesha Abdullah
Elucidation of the Effect of Chain Dispersity on Structure and Mechanical Properties of Brush Particle Assembled Materials
Advisor(s): Michael R. Bockstaller

Gaurav Balakrishnan *
Ingestible Electronics for Diagnostics and Neuromodulation
Advisor(s): Christopher Bettinger, Itzhaq Cohen-Karni

Huai-Yu Peter Cheng *
Investigation of the Interactions Between Fillers and Dynamic Non-Covalent and Covalent Bonds in Self-Healing Nanocomposites
Advisor(s): Mohammad Islam

Brian Davis Coffin *
Development of High Cell Density Bioinks for FRESH 3D Bioprinting of Muscle Constructs
Advisor(s): Adam Feinberg

Bryan Conry *
Anisotropic Grain Boundary Networks and Their Role in Abnormal Grain Growth
Advisor(s): Amanda Krause

Daniel Paul DeLellis
The Role of Microstructural Defects in Grain Growth Behavior
Advisor(s): Amanda Krause

Tianxiang Du
Plasmonic Nanocomposite Near Fields Transducer with Capacitive Coupling
Advisor(s): David E. Laughlin, Jian-Gang Zhu

Kunyao Jiang *
Investigation of Gallium-Oxide Polymorphs for High Efficiency Power Electronics by Chemical Vapor Deposition
Advisor(s): Lisa M. Porter

Runbo Jiang *
Investigation of Microstructure and Keyhole Dynamics in Laser-Based Metal Additive Manufacturing
Advisor(s): Anthony D. Rollett

Katelyn Toni Jones
Applying Machine Learning and Computer Vision to the Study of Fatigue Fracture Surfaces
Advisor(s): Elizabeth A. Holm, Anthony D. Rollett

Jingjia Meng *
Understanding Electroformation and Switching Mechanisms in TaOx-Based Memory Device
Advisor(s): Marek Skowronski

Durva Arun Naik *
Chemo-Mechanical Interactions to Improve Intestinal Retention of Ingestible Medical Devices
Advisor(s): Christopher Bettinger

Dana O'Connor *
(Co-)Crystal Structure Prediction with Machine Learned Potentials
Advisor(s): Noa Marom

Anqi Qiu *
Cylindrical Grain Boundary Motion in the Isoconfigurational Ensemble
Advisor(s): Elizabeth A. Holm

Jingyu Tang
Stabilization and Characterization of Epitaxial Ga2O3 Polymorphs Grown by Chemical Vapor Deposition
Advisor(s): Robert F. Davis, Lisa M. Porter

Amanda Maria Velazquez Plaza
Anisotropic Attack of YAlO3 Model Environmental Barrier Coatings by Molten CaO-MgO-Al2O3-SiO2 Deposits
Advisor(s): Elizabeth Dickey

Yingqiao Wang *
Nanomaterial-Enabled Optical Modulation of Neural Activity
Advisor(s): Itzhaq Cohen-Karni

Srujana Rao Yarasi *
Enabling the Characterization of Powder and Part Through the Powder Bed Fusion Additive Manufacturing Pipeline
Advisor(s): Elizabeth A. Holm, Anthony D. Rollett

Yueheng Zhang
Multi-Scale X-Ray Diffractive Imaging of Adjacent Grains
Advisor(s): Anthony D. Rollett, Robert M. Suter

Yuqi Zhao
Molecular Design Guidelines for the Fabrication of Polymer Hybrid Materials with "Self-Heal Ability"
Advisor(s): Michael R. Bockstaller

MECHANICAL ENGINEERING

BACHELOR OF SCIENCE

Mechanical Engineering

Daniel Rolando Acevedo
Additional Major: Biomedical Engineering

◆ **Tanner Jackson Aikens**
Additional Major: Robotics

Jonathan Hakim Ali *

◆ **Sebastian Andreu**

Isaiah Augustine Asah

◆ **Leo S. Badaker**
Minor: Business Administration

◆ **Ryan Bao**
Additional Major: Robotics

◆ **Lameck Ajuang Beni**
Additional Major: Biomedical Engineering

◆ **Anaya Bhammar**
Minor: Design
Minor: Intelligent Environments

Kiera Grace Jude Boucher

◇ **Natasha Mikaela Bustnes**
Additional Major: Robotics

◆ **Joshua Cai**

◆ **Hunter James Campbell**

◆ **Benjamin Charles Carbonetto**

◇ **Samantha Mendes Castellano**

Shantanu Chand

◆ **Brian Andrew Check**
Minor: Business Administration
Minor: Robotics

◆ **Claire D. Chen**
Additional Major: Engineering and Public Policy

◆ **Junhan Chen**

Brian Chien

◆ Hazel Cline
Minor: Biomedical Engineering

Joshua Emmanuel Corona

◆ Thomas Michael Coury
Minor: Business Administration

Bryan S. Cueva
Additional Major: Biomedical Engineering

◆ Pravir Das

◆ Eyal Davidov
Minor: Business Administration

Paul Dreyer

◆ Olivia Kate Kwong Ehrman
Minor: Media Design
Minor: Physics

◆ Jacob Benham Faubel

◆ Ethan Feshold
Minor: Computer Science

◆ Daniel Antonio Gomez
Additional Major: Robotics

◆ Santiago Alberto Gomez
Minor: Economics

Trevor Denzo Grant

◆ Megan Barbara Groppe

◇ Eric Andrew Grynberg

◆ Ahmed Alsadig Gurafi

Alexander Francois Hakim

Julia Claire Hoffman
Minor: Robotics

Robert Joseph Holmes
Minor: Innovation and Entrepreneurship

Darion Sawlar Homayoon

◆ Tyler Nicholas Hoyt
Additional Major: Business Administration

◆ Jacob Nicholas Hsu
Additional Major: Robotics

◆ Erica Iizuka
Additional Major: Biomedical Engineering

◆ Alexander Ivanov
Minor: Operations and Supply
Chain Management

Samyak Jain *
Additional Major: Robotics

Silas James Jones

Adrien Joseph

◆ Joon Goo (Jacob) Kang

Victor Kang

Anuj Kathail
Additional Major: Robotics

◆ Nathaniel Adam Klein
Minor: Physics

◆ Shawnak Krishnan **

Sasha Eloisa Kroman

Thomas J. Kromka

◆ Kristin Nayoung Kye

◆ Max Anthony Bucci Labovitz

◆ Lindsay Jayne Lamberti
Additional Major: Biomedical Engineering

◆ Manuel Lancastre

◆ Isaiah James Lerch

Qiyuan Li

◆ Mihir Lovalekar

Erin Rose Malasig Magid
Additional Major: Biomedical Engineering

◆ William Marcus **

Jack Nathaniel McCrum
Minor: Business Administration

◆ Rose Caitlin McDermott

◆ Andrew Le McGovern
Minor: Business Administration
Minor: Robotics

Akshay Minocha

◆ Nicole J. Monaco
Minor: Media Design

◆ Dustin Wayne Moss
Additional Major: Robotics

◆ Nadim Y. Motaghedi
Additional Major: Biomedical Engineering

Catrina Shipman Nanney
Minor: Environmental and
Sustainability Studies

Christopher Seok Min Oh
Minor: Architecture

◇ Janika Ja-Min Oh
Additional Major: Engineering and Music

David Imoleayo Oladosu **

◆ Isaac Gabriel Olmos

◆ Lawrence Onyango Onyango
Additional Major: Robotics

◆ Iris Mina Park

◆ Joshua Chiao Pen **
Minor: Business Administration

Carlos Javier Peralta
Minor: Innovation and Entrepreneurship

◆ Zoe Phares
Additional Major: Biomedical Engineering

Gabriel Augusto Da Silva Prado
Minor: Physical Computing

Charles A. Pun **
Minor: Computer Science

Tiara Rathi

Zia Rose Reed

◆ Laura Maria Reichard **

Nicholas J. Richardson
Minor: Physical Computing

Chiara Rissola

Kenneth H. Rivera **

Kol Norman Bryan Rollins
Additional Major: Biomedical Engineering
Minor: Innovation and Entrepreneurship

Mauricio James Saavedra
Minor: Robotics

Carlos Rainville Sanchez

◆ Samantha Chiyo Sanyal

◇ Elsa Marie Schleicher

◆ Diederik-Paul Schlingemann

◇ Karina Harshavardhan Shethia **
Additional Major: Engineering
and Architecture

◆ Avani Shukla
Additional Major: Biomedical Engineering

◆ Neil Dimitri Shukla
Minor: Computer Science

◆ John Francis Skunakis

◆ Brenna Sarah Slomsky
Minor: Media Design

◆ Justin Uriel Soza Soto
Minor: Design

◆ Ryley Theresa Starta
Additional Major: Biomedical Engineering

◆ Anderson Sutandinata
Additional Major: Robotics

◆ Ethan Todd
Additional Major: Robotics

◆ Jackson Everest Trone

Ryan Ming Tsai

Wesley Grant Webb
Minor: Business Administration

◆ Oscar Henry Wilcox

Adrian Luis Williams
Minor: Business Administration

◆ Kaveh Esfahani Wojtowich **
Minor: Business Administration

◆ Kendra Wen-Li Wong
Additional Major: Biomedical Engineering

◆ Jackson Thomas Wood
Additional Major: Robotics

◆ Andrew H. Yang

◆ Isabella Bi Ling Yee

◆ John Christopher Shetler Yordy
Minor: Robotics

Audrey Chan Young
Additional Major: Biomedical Engineering

◆ Aviva Lauren Young
Minor: Biomedical Engineering

◆ Logan James Young
Minor: Biomedical Engineering

Fayyad Muyiz Zakaria

◆ Amelia F. Zaripova
Additional Major: Biomedical Engineering

◆ Eric Zhao
Additional Major: Chinese Studies

Yunuo Zhao
Additional Major: Robotics

MASTER OF SCIENCE

Artificial Intelligence Engineering - Mechanical Engineering

Avi **

Leo I-Kai Chen **

Atharva Saleel Dikshit **

Nischal Gandige Suresha **

Yanchen Liu **

Runpu Meng **

Yu Qiu **

Computational Design and Manufacturing

Peizhi Chen **

Kevin Chou **

Atharva Manohar Mhaskar **

Arpit Sahni **

Samuel Mordechai Schiller *

Kaiyuan Zhang **

Mechanical Engineering

Daniel Rolando Acevedo
Marione Atieno Aluoch
Colton Rady Amos
Vivek S. Anand
Martha Elizabeth Baldwin
Joseph Thomas Berthel **
Francisco Alberto Boschetti Tofano **
Joshua Cai
Claire D. Chen
Hongrui Chen **
Rubin Chen **
Yuxiao Chen
Nikole Chetty **
Catherine Dong **
Jason Easterling
Li Fen Frothingham
Rachel Ann Fuechtman **
Diana Guadalupe Gomez
Alex Chambers Griffi Gourley **
Lana Rosenfeld Hasher
Amirpouya Hemmasian
Sanjida Akter Jahan
Palak Jain **
Nicole Alexis Jani **
Daniel Ju
Udyaaksh Khera
Yoona Lee **
Daniel West Marks *
Elizabeth McGee
John S. McNab
Alexander Joshua Myers **
Mathea Regine Myhrvold
Leo C. Nicolussi
Bailey Ryan O'Malley
Seiya Otani
Joseph Gye Nyame Piñon **
Louis M. Plottel
Sergio Rodriguez **
Alain Philippe Saal-Dalma
Henry Scavone *
Varun Shankar *
Anya Singhal
Jocelyn Meg Su
Lenworth A. Thomas Jr.
Isabel Carolina Flores Vala **
Matthew Lee Wagner **
Casey Miles Walker
Yu Wang **
Zexiao Wang
Dawei Wei **
Wing Tung Wong
Anton Yanovich
Jong Won Yeo
Arthur Yangxi Zhang **

Mechanical Engineering - Advanced Study

Aditya Vinayak Bapat **
Peter Blumenstein **
Jingchun Cao
Alfred Chang
Jiarui Chang **
Nikhil Chinnalapatti Gopinath **
Srividya Gandikota **
Connor Geshan **
Vedant Dipak Gite **
Anvesh Reddy Gummi **
Judson Kyle **
Rose Caitlin McDermott
Wren Tamotsu Sakai
Shang Shi **
Anika Sun **
Akash Tambe
Jiansong Wang **
Jixiao Wu **

Mechanical Engineering - Applied Advanced Study

Madewa Victoria Adeniyi **
Balaji Praneeth Boga **
Beatrice Dehnesio Boyce **
Venkata Satya Shanmukh Srikumar Brundavanam Reshmith **
Songwei Fan **
Mukul Ganwal **
Rithwik Jayanth **
Sumesh Kalambettu Suresh **
Vedang Prasad Kokil **
Kyle Edward Pichney **
Jaydeep Gulab Ramnani **
Aneesh Sinha **
Zhenghao Weng **

Mechanical Engineering - Research

Moaiad Abdulaziz Alabbasi
Colin Ancalmo
Charlotte Avra
Sriharan Balakrishnan Selvakumaran
Colm Robert O'Rourke Barry
Prakhar Bhardwaj
Niranjan Bhombe
Rohan Chandrasekar
Mya Kristen Chappell
Qizhao Chen
Aviral Chharia
Aman Manish Chulawala
Devansh Manish Dhrafani
Shivam Yogesh Doshi
Muyiwa Funbi Francis **
Selvin Orlando Garcia Gonzalez
Haonan He **
Yuechuan Hou

Shuo Hu
Ziqi Hu
Saurav Ranjit Kambil
Celia Siobhan Kelly *
Thomas Michael Klein
Ian Anthony Krause
Letian Leng
Zijie Li
Ruiji Liu
Julian Low Yung Shen
Miguel Antonio Martinez
Timothy Eugene Mayer
Harvey Mei
Khai Nguyen
David Oluwabamidele Ologan
Lexiang Ou
Hima Hrithik Pamu
Jong Hoon Park
Yash Patawari Jain
Maria Plessia **
Yash Prakash
Akshay Raman
Haochen Ren
Mansi Sharwanlal Sarawata
Mohammed Altama Sheikh
Burhanuddin Husainy Shirose
Christopher Suzuki
Kenrick Tjandra **
Prakrit Tyagi
Vigknesh Vaithilingam Rajan
Qixian Wang
Madeleine Weaver
Avery Sonora Williamson
Zongyuan Wu
Quanting Xie **
Yingqi Yue
Zhikai Zhang
Wilson Weibin Zhen
Feiya Zhu
Honghao Zhu

DOCTOR OF PHILOSOPHY

Uchechukwu Okechukwu Agwu
Design, Analysis, and Fabrication of Lattice Structures for Structural and Thermal Applications
Advisor(s): Kenji Shimada

Abhishek Anand
Low-cost Techniques to Measure and Predict Air Pollution Exposure
Advisor(s): Albert Presto

**Mert Can Arslanoglu **
3D MXene Networks, Freeze-Cast Ceramics and Their Composites for Advanced Energy Storage and Steelmaking
Advisor(s): Burak Ozdoganlar, Rahul Panat

Sakthi Kumar Arul Prakash *
Inductive Biases in Graph Representation Learning
Advisor(s): Conrad Tucker

Emma C. Benjaminson *
Methods for Designing, Manufacturing and Controlling Micro-Scale Swimming Robotic Systems Built with DNA Nanotechnology
Advisor(s): Rebecca Taylor, Matt Travers

Alexander A. Bills *
Battery Modeling to Enable Electric Aviation
Advisor(s): Venkat Viswanathan

Sarah S. Case
A Set of Algorithmic Models of Product Platforming and Learning by Doing to Inform Battery Manufacturing Decisions and Processes
Advisor(s): Kate Whitefoot

Albert Kevin Dai *
Multifunctional Grasping and Object Detection Through Facile Manufacturing of Biomimetic Actuators and Sensors
Advisor(s): Victoria Webster-Wood

Wenhao Ding
Generative AI for Critical Digital Twins
Advisor(s): Ding Zhao

Connor R. Forsythe *
Econometric Estimation of Consumer Responses to Personal Transportation Policies and Technologies
Advisor(s): Jeremy Michalek, Kate Whitefoot

Akash Garg **
3D Freeform Ice Printing to Create Tissues with Biomimetic Vasculature
Advisor(s): Phil LeDuc, Burak Ozdoganlar

S. Arman Ghaffarizadeh **
Excess Entropy Scaling in Molecular Simulations: Transport in Soft and Active Systems
Advisor(s): Jerry Wang

David Guirguis **
Machine Learning-Enabled Multi-Scale Process Monitoring and Development for Metal Additive Manufacturing
Advisor(s): Jack Beuth, Conrad Tucker

Ryan J. Hoover *
Methods to Incorporate Machine Learning for Control System Applications
Advisor(s): Kenji Shimada

Nolen Ikenna Keeys **
Soft Material and Algorithmic Innovations for the Improvement of Existing and the Development of Future Wearable Devices
Advisor(s): Phil LeDuc, Carmel Majidi

Sukjun Kim *
Microscale 3D Actuated Mechanisms for Microrobotics
Advisor(s): Sarah Bergbreiter

Sunhye Kim
Characterization of Non-Traditional Urban Emission Sources Utilizing a Mobile Laboratory
Advisor(s): Albert Presto

Zhuo Li
Thermal Signature Control by Microscopic Structures
Advisor(s): Sheng Shen

Tong Lin
Deep Generative Methods for Target-Specific Drug Design
Advisor(s): L. Burak Kara

Zuxin Liu **
Towards Deployable Reinforcement Learning: Safety, Robustness, Adaptivity and Scalability
Advisor(s): Ding Zhao

Jose Alejandro Loli *
New Alloy Process Development Emphasizing High-Strength Low-Alloy Steels in Laser Powderfeed Directed Energy Deposition
Advisor(s): Jack Beuth, Maarten de Boer

Xiao Luo
Extraordinary Heat Transfer Within Nanomaterials and Between Nanostructures
Advisor(s): Sheng Shen

Rishikesh Sharadkumar Magar *
Machine Learning for Material Property Prediction and Analysis
Advisor(s): Amir Barati Farimani

Erica Magdalena Martelly
Design, Fabrication and Efficacy of Customized Medical Masks
Advisor(s): Kenji Shimada

Owen Douglas Pearl
Wearable Data Synthesis for Portable Biomechanics
Advisor(s): Sarah Bergbreiter, Eni Halilaj

Elisha Anthony Raeker-Jordan
Medical Training Phantoms to Teach Distal Radius Fracture Management in Orthopaedic Residency Students by Utilizing 3D-Printed Components
Advisor(s): Kenji Shimada

Kyle Paul Schneider *
Investigation of Metal Amorphous Nanocomposite Materials for Use in Axial Flux Motors
Advisor(s): Maarten de Boer, Michael McHenry

Varun Shankar *
Differentiable Fluid Dynamics
Advisor(s): Venkat Viswanathan

Sean J. Wang
A Practical Approach to Learning Dynamics for Rough Terrain Navigation
Advisor(s): Aaron Johnson

Weitao Wang **
Cell Membrane Engineering with Structural Dna Nanotechnology
Advisor(s): Xi Ren, Rebecca Taylor

Lisha Naomi White **
A Method to Design Hybrid Lattice Support Structures for Lpbf Additive Manufacturing
Advisor(s): Jon Cagan, Jessica Zhang

Mengdi Xu
Building Adaptable Generalist Robots
Advisor(s): Ding Zhao

Jiacheng Zhu **
Generalizable Machine Learning on Heterogenous Domains
Advisor(s): Ding Zhao

STUDENT-DEFINED MAJOR

BACHELOR OF SCIENCE

Manufacturing, Innovation and Policy

Majid Ashraf M. Alkhairy
Minor: Politics and Public Policy

College of Fine Arts

DEAN OF THE COLLEGE
Mary Ellen Poole

SCHOOL OF ARCHITECTURE
Omar Khan, Head of the School

SCHOOL OF ART
Charlie White, Head of the School

SCHOOL OF DESIGN
Eric Anderson, Interim Head of the School

SCHOOL OF DRAMA
Robert Ramirez, Head of the School

SCHOOL OF MUSIC
Joanna Bosse, Interim Head of the School

STUDENT-DEFINED MAJORS
M. Stephanie Murray, Senior Associate Dean
of Interdisciplinary Initiatives

INTERDISCIPLINARY STUDIES

BACHELOR OF ARTS

General Studies

Melissa A. Thomas **
Minor: Architecture

Student-Defined Major

◆ Jean Sungjin Cho
Art for Animation and Game Development

Hwajin Lee
Interdisciplinary Installation Arts

ARCHITECTURE

BACHELOR OF ARTS

Architecture

Srishty Bhavsar
Additional Major: Human-Computer Interaction

◆ Stephanie Jeonghyun Choi

◇ Jamie Espinosa-Briones
Minor: Human-Computer Interaction
Minor: Soft Technologies

Bennett Charles Goeke **
Minor: Animation and Special Effects

Ziyi Guo
Additional Major: Computer Science

◆ Tianshu Huang
Additional Major: Human-Computer Interaction

Zhuyun Jin
Additional Major: Statistics and Machine Learning

Maia Kamenova

Lake Taran Lewis *
Minor: Photography

◆ Jaden Olivia Luscher **
Minor: Design for Learning

◆ Nakshatra Menon

Abiola Grace Morakinyo

◇ Sonia Prashant
Minor: Business Administration
Minor: Human-Computer Interaction

◆ Tewei Song
Additional Major: Business Administration

◆ Xinyu Wang
Additional Major: Computer Science

◆ Le Fa (Richard) Zhou **
Additional Major: Business Administration

Xiaojie Zou **
Minor: Building Science

BACHELOR OF ARCHITECTURE

Architectural and Building Sciences - Technology

◆ Gabrielle Amelie Jeannette Benson
Minor: Environmental and Sustainability Studies

Jai Sheel Bhatnagar

Athan Chang
Minor: Human-Computer Interaction

Wei-Chun Chao
Minor: Business Administration

Qiushi Chen
Additional Major: Human-Computer Interaction

Jianwei (Amanda) Cheng

◆ Rebecca Anne Cunningham
Minor: Environmental and Sustainability Studies

◆ Sharon Fung
Minor: Environmental and Sustainability Studies

◆ Brian Henry Bernard Hartman

◆ Hannah Haytko-DeSalvo

Amy Tianhui Hu
Minor: Human-Computer Interaction

◆ Graana Kakakhel Khan
Additional Major: Human-Computer Interaction
Minor: Soft Technologies

◆ Sarah Kwok
Minor: Business Administration

◆ Howie Li
Minor: Architectural Design Fabrication

◆ Shenyuan Li
Additional Major: Business Administration

◇ Ann Shao Yun Nini Mulgrew
Minor: Business Administration
Minor: Design for Learning
Minor: Human-Computer Interaction

Emma Caroline Nilson

◇ Brenna Skaja Robinson
Minor: Psychology

◆ Sydney Shuoyang Sun
Minor: Environmental and Sustainability Studies

◆ Tory Dingqi Tan
Minor: Architectural Design Fabrication

◇ Kit Yifei Tang

◇ Mira Teng
Minor: Drama

◆ Mai Tian
Minor: Design
Minor: Human-Computer Interaction

◆ Anishwar Badrinarayanan Tirupathur
Additional Major: Human-Computer Interaction

◇ Shray Misra Tripathi

◇ Natalie Waldram **

◆ Colin Daniel Walters
Minor: Environmental and Sustainability Studies

Esme Elisabeth Williams
Minor: Film and Media Studies

◇ Anthony Wu
Additional Major: Human-Computer Interaction

◇ Jing Jing Wu

Robert Martin Yang
Minor: Building Science

Kevin Yao

◆ Tak Shing Dickson Yau
Minor: Human-Computer Interaction

◆ Qiyuan Zhang

◇ Yong Hao Zhang
Minor: Business Administration

Yuxuan Zhang
Minor: Business Administration

MASTER OF ADVANCED ARCHITECTURAL DESIGN

Advanced Architectural Design

Dongtao Bi
Kui Yang Yang
Zehua Yang *

MASTER OF ARCHITECTURE

Architectural and Building Sciences - Technology

Anshuka Suresh Asnani
Ajay Jaysukhbhai Chovatia
Parth Sanjay Danait
Autumn Chelsea Dsouza
Rovina Susan George
Yu-Cheng (Charlie) Hsu
Tingjun Huo
Keqing Jiao
Moyinoluwa Mary A. Okulate
Trevor Ryan Orgill
Meghan Marie Pisarcik
Rachel Rose Ruscigno
Hrushikesh Bijal Shah
Shail Sheth
Anna Soryal
Jenish Vinodbhai Thakkar
Priyanka Govind Thakur
Shayla Monet Thomas
Marcus Valdez
Jiahua Wu
Ruoying Xie
Huzheng Ye
Ying Zhang

MASTER OF SCIENCE

Building Performance and Diagnostics

Bingtong Guo
Laura Lasariia
Yihan Ma
Negin Shahidi
Xinyue Zhang
Yiting Zhang **

Computational Design

Yanting Deng
Xing Hao
Peiyu Hu
Hongfei Ji
Boyang Lin *
Zhixin Luo
Hongyu Mao *
Tingsong Ou *

Yujeong Seo
David Lee Troetschel
Yuechen Wang *
Junjie Xu *

Sustainable Design

Yi Zhou *

Sustainable Design - Advanced Studies

Jil Berenblum
Nandan Bhusry
Arunima Dubey
Bela Sunil Nigudkar
Nazis Khurshidkhan Pathan
Meghna Roy
Ankita Sinha
Linxiaoyi Wan
Chuyi Wang

MASTER OF URBAN DESIGN

Urban Design

Rutuja Milind Badve
Seyoung Choo
Yongwen Dai **
Fangyu Huang
Shreya Mathur
Yash Parikh
Aditi Shreedhar
Koushik Srinath
Aniket Chandrakant Surve
Xinyue Zhang

DOCTOR OF PHILOSOPHY

James Katungyi **
The Impact of Dynamic Thermal Conditions on the Health and Productivity of Building Occupants
Advisor(s): Vivian Loftness

Tian Li
AI-Driven Building Energy and Carbon Emissions Benchmarking at Multiple Scales
Advisor(s): Vivian Loftness, Azadeh Sawyer

Wei Liang
An Automatic Mobile Sensing Platform for Indoor Environmental Quality Assessments
Advisor(s): Erica Cochran Hameen, Vivian Loftness, Pingbo Tang, Ji Zhang

Jingyang Liu
Space As Interface — A Computational Framework for Spatial Computing in Robotic-Assisted Construction
Advisor(s): Joshua Bard, Daniel Cardoso Llach, Mayank Goel

Jinmo Rhee
A Computational Method for the Identification and Comparative Analysis of Urban Form Types: A Case Study of Rust Belt Cities
Advisor(s): Daniel Cardoso Llach, Ramesh Krishnamurti

Manuel Rodriguez Ladron de Guevara
Parametric-Based Models for Artistic Representations
Advisor(s): Daragh Byrne, Ramesh Krishnamurti, Jun-Yan Zhu

Jiarong Xie *
Occupant-Centric Shading and Lighting Control Using a Simulation-Assisted Data-Driven Framework
Advisor(s): Azadeh Sawyer

ART

BACHELOR OF FINE ARTS

Art

◆ Allina Ai
Minor: Film and Media Studies

Najjiyya T. Al-Mahi *
Minor: Creative Writing

◆ Emily Gayle Argoff **
Minor: Game Design

◇ Minjin Batzorig

◆ Sarah Oak-Kyung Cho

◇ Subin Cho
Minor: Game Design
Minor: Human-Computer Interaction
Minor: Immersive Technologies in Arts and Culture

Ji Hyun Chung

◇ Stella Isabel Davis

◇ Mila Schoenberg Fejzo

Peiran Ge
Minor: Drama
Minor: Human-Computer Interaction

◇ Magda Louise Gourinchas **
Minor: Animation and Special Effects
Minor: Business Administration

Camila Guerrero Cardenas

Sizhe Hou

◆ Hwayoung Jeong **
Additional Major: Human-Computer Interaction
Minor: Game Design

◇ Ella Marie Keegan

◆ Ashley Kim
Minor: Animation and Special Effects
Minor: Game Design

So Yeon Kim **

Ye Lim Kim *

Yeongje Kim
Minor: Drama

◆ Soomin Kong
Minor: Creative Writing

◇ Nandini Kalpakam Kuppa-Apte

Ming Lu *
Minor: Animation and Special Effects
Minor: Human-Computer Interaction

◆ Emmanuel M. Lugo

◆ Leah Maura Minsky **
Minor: Animation and Special Effects

◆ Takumi Shou Natsume
Minor: Human-Computer Interaction

Erin Young Park

◆ Eujin Vonah Ra
Minor: Behavioral Economics

Chansocphentra Salcido
Minor: Animation and Special Effects

◆ Jennifer Min Young Shin
Minor: Innovation and Entrepreneurship
Minor: Soft Technologies

Heejin Son

◆ Yuetong Wang **
Additional Major: Human-
Computer Interaction

◆ Shelly Hu Zhang
Minor: Animation and Special Effects
Minor: Game Design

MASTER OF FINE ARTS

Art

Sobia Ahmad

Steve Alexis

Anisha Baid

Inbar Hagai

Georgia Saxelby

London Pierre Williams

DESIGN

BACHELOR OF DESIGN

Design

◆ Tara Banatwala

◇ Mary Anastasia Baskinger
Minor: Photography

Riya Bobde

◆ Julianna Bolivar Fajardo
Additional Major: Human-
Computer Interaction

◆ Luca Cao
Minor: Human-Computer Interaction

◆ Renee Daeun Chang

◆ Elise Johanna Chapman
Minor: Human-Computer Interaction
Minor: Physical Computing

◆ Ricky Chen
Additional Major: Human-
Computer Interaction

◆ Jiyeon Chun
Minor: Human-Computer Interaction

◆ Michelle Thien Huong Dang
Minor: Design for Learning
Minor: Human-Computer Interaction

◇ John Daniel Henley
Minor: Environmental and
Sustainability Studies

◆ Jasmin Minjy Kim
Minor: Human-Computer Interaction

◆ Gretchen Marie Kupferschmid

◇ Jessica Lai
Additional Major: Human-
Computer Interaction
Minor: Intelligent Environments

◆ Thien Le
Additional Major: Social
and Political History

◆ Yoo Sung Lee

◇ Hannah Clementine Lesser
Additional Major: Social
and Political History

◆ Bryce D. Li
Minor: Human-Computer Interaction

Emily Liu
Minor: Human-Computer Interaction

◇ Jia Ning Catherine Liu
Minor: Human-Computer Interaction
Minor: Physical Computing

Zijian Liu

◇ Jacqueline Marie Lococo

◆ Teresa Lourie

Olivia Luk
Minor: Gender Studies
Minor: Human-Computer Interaction

◇ Gia Nicole Marino
Minor: Human-Computer Interaction
Minor: Physical Computing

◆ Georgia Hailey Miller
Minor: Innovation and Entrepreneurship

Yash Mittal
Minor: Human-Computer Interaction

◇ Yi Wei Ni
Additional Major: Human-
Computer Interaction

◆ Heysu Oh
Minor: Human-Computer Interaction

◇ Anthony Z. Pan
Minor: Human-Computer Interaction

◆ Shruti Prasanth
Minor: Human-Computer Interaction

◇ Samantha Cecelia Rauch

Casandra Eileen Rausch
Minor: Physical Computing

Karan Ronak Shah
Additional Major: Human-
Computer Interaction

Soo Young (Max) Shim
Additional Major: Business Administration

◆ Maxwell L. Stockdale
Minor: Environmental and
Sustainability Studies

◆ Christy Zo
Minor: Human-Computer Interaction

MASTER OF ARTS

Design

Shan Yu Chang

Min Chun Chu

Alex Yeha Chung

Samantha R. Colavecchio

Eldar Gilmanov

Audrea Guo

Yu Hsuan Ho

Sanjali Jain

Jiyu Kwag

Yujin Lee

Deeya Parikh

Dorothy Alexandria Potter

Jiwon Pyo

Tanishia Manoj Rane

Zoe Xue Er So

Nikita Valluri

Shang Yi Wu

MASTER OF DESIGN

Design for Interactions

Carol Eunkaram Auh

Taeyoung Chang

Yuehui Du

Yuhan Gao

Ann Li

Angela Nam

Aishwarya Rane

Hangbin Yang

Semina Yi

MASTER OF PROFESSIONAL STUDIES

Design for Interactions

Anna Powers Heyward

DOCTOR OF PHILOSOPHY

Joshua D. Bloom
Temporally Informed Design
Advisor(s): Jonathan Chapman,
Gideon Kossoff

Hillary A. Carey **
Social Design Dreaming:
Visioning Racial Justice
Advisor(s): Jonathan Chapman

Adam David Cowart
Between Dreams: Futures
Storytelling in Transition Design
Advisor(s): David Boje, Gideon
Kossoff, Peter Scupelli

Erica Dorn
Relational Design for Transitions
Within U.S. Suburbs
Advisor(s): Jonathan Chapman, Terry Irwin

Esther Yeunhee Kang
Sediments of Design: Reimagining
the Temporal Dimension of Place-
Based Design in the United States
Advisor(s): Jonathan Chapman

Madeline Sides
Relate, Repair, Restore: Ecological
Transitions by Design
Advisor(s): Jonathan Chapman,
Gideon Kossoff

Margaret Mary Urban
A Field Guide to the Anthro-
Silvan Interface
Advisor(s): Jonathan Chapman,
Gideon Kossoff

DRAMA

BACHELOR OF FINE ARTS

Drama

◆ Ariel Rose Bernhard
Dylan M. Bright *

◆ Spencer Charles Byham-Carson

◆ Charles Lee Caperton

◆ Jonah Solomon Carleton

◆ Annalisa D'Aguilar

◆ Pria Emmy Dahiya
Additional Major: Social
and Political History

◆ Leyla Noor Farag Davis

◇ Simone Kiyoko De La Torre

◆ Rowan Acadia Dunlop
Minor: Literature and Culture

Lilac L. Emery-Haynes

◆ Christian James Engelhardt

◆ Gabriela Fonseca Luna
Minor: Hispanic Studies

◇ Mariana Garzon Toro

Antione Gray

◆ Megan Louella Hanna

◆ Jonas S. Harrison

◆ Savannah Lee Melanie Birdsong

◆ Hadley Jean Holcomb

◆ Caroline Elizabeth Holmes
Minor: French and Francophone Studies
Minor: Literature and Culture

◆ Lukas Jarvi

◆ Nathaniel Kelderman

◆ Kyra Elizabeth Klonoski

◆ Wendy Kuhn
Minor: Literature and Culture

◆ Kiara Michelle Lee

Joshua Elijah Lewis

◆ Sophia Grace Macy

Kyle Oakley Musgrove

◆ Reiley Torfun Nymeyer
Minor: Japanese Studies
Minor: Physical Computing

◆ Jin (HyunJin) Oh

Eva May Oney

◆ Sofia Satine Wedlake Osborne

◆ Maureen Macaire Pace

◆ Noah Michael Pacht

◆ Evan Scott Riley

Alyssa Rivera

◆ Travis Roy Rogers

◆ Alex Edie May Sheffield

Brynn Lilah Sklar
Minor: Creative Writing

◇ Akshatha Srivastava

◆ Jem Elaine Tepe

◇ Sylvester Izadorius Tortuga

◆ Susana Blair Cordon

◆ Cameron (Nana) J. Wise

◇ Aysha Marie Zackria
Minor: Literature and Culture
Minor: Sonic Arts

MASTER OF FINE ARTS

Costume Design

Izzy Rae Kitch

Grzegorz Labuda

Yinxue Wang

Costume Production

Noelle Maria Cremer

Moire del Carmen Díaz Rodríguez

Danielle Dulchinos

Cliona Gordon

Elyse Grimaldi **

Kendall Anna Swendsen

Directing

Birdie Kleymeyer

Jasmine Roth

Dramatic Writing

Robin Goldberg

Kathryn Jones Kirk

Lara Miller

Zoë Norman-Hunt

Jamie Anna Olah

Sarah Reid Seitz

Gretchen Suárez-Peña

Christiane Swenson

Elle Thoni

Lighting Design

Xuewei Hu

Allison McSwain

Zhengdao Wan

Jessica Winward

Scene Design

Yafei Hu

Jose Paul Molina

Yang Ning-Ning

Sound Design

Peter Burns

Tauheedah (Tate) Ayisha Muhammad
Abdullah

Stage and Production Management

Brooke Anderson

Danielle Bergman

Gabrielle Patricia Harper

Maggie Louise Kane Latham

Melissa Lubina

Virginia Ann Tipps

Technical Direction

David M. Martin

Video and Media Design

Kolton Cotton

Matthias Neckermann **

MUSIC

BACHELOR OF FINE ARTS

Music - Composition

◆ James Aloysius O'Malley Gorbea
Minor: Conducting

William L. Torres Jr. **
Minor: Sound Design

◆ Michael George Wong
Minor: Game Design

Music Performance - Bassoon

◆ Benjamin Robert Cargnel
Minor: Business Administration

Music Performance - Cello

◆ Jonathan P. Wang

Music Performance - Clarinet

◆ Ethan Chandler Carter
Minor: Conducting

◆ Eric Yaoming Huang
Minor: Business Administration

Music Performance - Flute

◆ Delia Brynn Zaleski

Music Performance - Guitar

◆ James Aloysius O'Malley Gorbea
Minor: Conducting

Music Performance - Piano

◆ Roseanne Yu *
Minor: Conducting

Music Performance - Saxophone

◆ Helena L. Lent
Minor: Film and Media Studies

Music Performance - Trombone

◆ Evan Kristian Nygard
Minor: Computer Science

◆ Gabriela Sarah Schwartz
Minor: Psychology

Music Performance - Viola

◆ William Donnal Holtz
Minor: Conducting

Madalyn Elizabeth Sadler

Music Performance - Voice

Bryan Jonathan Bennett
◇ Daniella June Brancato **
◇ Zoe Claire Chessa
Minor: German Studies
Minor: Linguistics
◇ Abigail Elizabeth Cunningham
◆ Thomas Wil Fong
◇ Nicole Isabelle Khouzami
◇ Solomon Otitochukwu Onyukwu
◆ Helen Carter Peppler
◆ Isabel Mryn Valasek
Minor: Drama
Minor: Music Education
◆ Henry Andrew Wright

BACHELOR OF SCIENCE

Music and Technology

Basil Emil Collis
◆ Cameron Bishop Crowley
Additional Major: Artificial Intelligence
◆ Nicholas R. DesRoches
Minor: Sonic Arts
Joseph Hsu
Minor: Japanese Studies
Carlos Ortega
Polaron Rigel Posadas

MASTER OF MUSIC

Collaborative Piano

Shulin An
Amin Carrillo
Justin Edward Feild
Adrian Rodriguez

Composition

Ka Wing Chan
Liam Flaherty
Bradley Fletcher
William Geiler
Jordan Murray Holloway

Music Education

Ji Heon Kim
Yiran Zhao

Performance - Bassoon

Kaitlin Zadow **

Performance - Cello

Katherine Rose Huszcza
Devin LaMarr
Jacob Martin
Lily Moerschel

Performance - Clarinet

Tyler Bourque

Performance - Euphonium

Bruce Gao

Performance - Flute

Evan Samuel Curatolo
Sigríður Hjördís Indriðadóttir
Matthew Reeder
Chloe Tordi

Performance - French Horn

Nathan Doss
Miranda Johnson
John Alexander Morabito

Performance - Harp

Chaela Franck
Alice Rose Statham

Performance - Oboe

Taylor Nelson
Zoe Sarganis

Performance - Percussion

Jacob McGregor Lisak **

Performance - Trombone

Nikolas Morosky
Ryan Shuey

Performance - Trumpet

Bjorn Kydland
Matthew Rees

Performance - Viola

Ariana Faith Blevins

Performance - Violin

Evan Harper
Alayna Nicotera *
Jorge Daniel Vera Aquino
Jingxuan Yang

Performance - Voice

Hanna Atsedewoin
Charles Hale
Catherine Howland
Wallis Lucas
Hope Metts
Ricky Lee Owens Jr.
Logan Williams

MASTER OF SCIENCE

Music and Technology

Yifan He
John Kolar
Ari Liloia
Nicholas Magal *
Ziyun Peng
Ashwin Pillay
Davis Polito
Alexander Wang
Kaibin Wang
Yi Wang
Changjie Wu
Yuxuan Wu *
Hanzhi Yin **
Ruibin Yuan *

Dietrich College of Humanities and Social Sciences

DEAN OF THE COLLEGE
Richard Scheines

DEAN OF CARNEGIE MELLON UNIVERSITY, QATAR
Michael A. Trick

ECONOMICS
Burton Hollifield, Associate Dean,
Tepper School of Business Undergraduate Programs

ENGLISH
Andreea Deciu Ritivoi, Head of the Department

HISTORY
Nico Slate, Head of the Department

CARNEGIE MELLON INSTITUTE FOR STRATEGY AND TECHNOLOGY
Audrey Kurth Cronin, Director of the Institute

LANGUAGES, CULTURES AND APPLIED LINGUISTICS
Anne Lambright, Head of the Department

NEUROSCIENCE INSTITUTE
Barbara Shinn-Cunningham, Director of the Institute

PHILOSOPHY
Peter Spirtes, Marianna Brown Dietrich Professor
and Head of Philosophy

PSYCHOLOGY
Michael Tarr, Head of the Department

SOCIAL & DECISION SCIENCES
Gretchen Chapman, Head of the Department

STATISTICS & DATA SCIENCE
Rebecca Nugent, Head of the Department

STUDENT-DEFINED MAJORS
Joseph Devine, Associate Dean for Undergraduate Studies

INTERDISCIPLINARY STUDIES

BACHELOR OF ARTS

General Studies

Margaret E. Marchese
Minor: Drama
Minor: Social and Political History

BACHELOR OF SCIENCE

General Studies

Dennis Fan Li
Minor: Logic and Computation

ECONOMICS

BACHELOR OF ARTS

Economics

◆ Mark Bregman
Minor: Business Administration

Zane Arie Rianom

Daniel Alexander Sanchez
Minor: Business Analytics
and Optimization

BACHELOR OF SCIENCE

Economics

Estée Thomas Goel
Additional Major: Human-
Computer Interaction
Minor: Design

◆ Liwen Zhou
Additional Major: Computer Science

Economics and Mathematical Sciences

◇ Owen Michael Engbretson
Minor: Philosophy

◇ Akash Hariprasad Mankude **
Minor: Computer Science

ENGLISH

BACHELOR OF ARTS

Creative Writing

Talia Rose Buksbazen **
Additional Major: Professional Writing
Minor: Politics and Public Policy

◆ Trinity Jade Damasco

Madeline Martin Elston

◇ Sophia Levin
Additional Major: Social
and Political History

Film and Visual Media

◆ Jamie Mae Kojiro **
Additional Major: Professional Writing
Minor: Literature and Culture

Jack Mason Rooney **
Minor: Creative Writing

Kailani December Small

◆ Rui Wang **
Additional Major: Statistics

Professional Writing

◆ Yoori Kim
Minor: Business Administration
Minor: Global Systems and Management

◆ Adrian Lapadat *
Minor: Psychology

BACHELOR OF SCIENCE

Technical Writing

◆ Chloe Rachel Nichole Black
Minor: Design for Learning
Minor: Global Systems and Management

Vivienne Jean Meyerhofer
Additional Major: Psychology

◇ Kerry Anne Mills
Additional Major: Environmental
and Sustainability Studies

Technical Writing and Communication

◆ Sarah D. Abrams **
Minor: Business Administration

Elizabeth Jae Min Choi *
Additional Major: Creative Writing

MASTER OF ARTS

Global Communication and Applied Translation

Amani Abdullah Alolayani **

Cassandra Marella Lodi **

Keziah Olsen **

Leilani Keai Zhang

Erin Elizabeth Zlockie **

Literary and Cultural Studies

Andrew Barich

Manique Rheanel Braziel

Emily Deaugustino

Colin Matthew Goodpasture

Alexander Heyrman

Natasha M. Johnson

Brittany Maxey

Paul Rabasca

Riya Singh

Professional Writing

Jacob Logan Boca **

Adrian Lapadat

Mallory Marie Lindahl **

Natalie O'Neil Luterman **

Taia Madeleine Pandolfi **

Michael Whitaker **

Rhetoric

Noah Hileman

Najah Magloire

Shourya Mohaniya

Cecilia Montufar

Tanner Ruth

Amber Sestilio

Anthony Malcolm Wallace

DOCTOR OF PHILOSOPHY

Cody James Januszko **
Yinz Smell That?: Embodied
Rhetorics Surrounding Pittsburgh's
Air and Water Quality
Advisor(s): Stephanie Larson,
John Oddo, Andreea Ritivoi

Michael Anthony Laudenbach
Analyzing, Aligning, Assessing:
A Portable Framework for Corpus-
Based Writing Pedagogy at Scale
Advisor(s): David Brown, Alex Reinhart,
Danielle Wetzel, Joanna Wolfe

Pearl Valentien Nielsen
Decolonizing the Medical Encounter:
Restorative Ethics of Care and Cared-For
Subject Production in Afro-Caribbean
Postcolonial Literary Discourses
Advisor(s): Koel Banerjee,
Stephanie Larson, Richard Purcell

Robyn Nicole Rowley
Laughing with the Medusas:
Feminist Politics in the Age of
Media Transformation
Advisor(s): Kathy Newman,
Richard Purcell, Kristina Straub

GENERAL

BACHELOR OF SCIENCE

Undeclared

Dev Asnani

Duanwei Bu

Zhangyi Chen

Clara May Enders

Kento Ito

Grant Yuan Li

Yueqi Liang

Xinyuan Liu

Yunzhe Nie

Sarah Jaeyeon Shin

Armaan Ali Somani

Ashley Alexandra Spark

Savannah Rose Switzer

Andrew Zhi Wang

Jiayuan Wang

Grace Yang

Renke Yi

Yuxian Zhang

HISTORY

BACHELOR OF ARTS

Ethics, History, and Public Policy

Eli Achtzehn

Olamilekan Matt Adetula

◆ Jo-Michelle Huczko

Alistair Curtis Stirling McMillan **

Ananiah J. Pettis
Minor: Politics and Public Policy

◆ Lee Wang

Global Studies

◆ Sofia Camila Cordoba Valencia
Additional Major: Chinese Studies

◆ Eric Neisser Moreno

Social and Political History

Yuyang Gao **

Alivia Kathleen McGown **

◆ Frederick Wang

BACHELOR OF SCIENCE

Ethics, History, and Public Policy

Eli C. Achtzehn
Minor: Music
Minor: Politics and Public Policy

◆ Jo-Michelle Huczko
Additional Major: International
Relations and Political Science

David B. Koggan
Minor: International Relations and Politics
Minor: Politics and Public Policy

◆ Lee Ming Wang

MASTER OF ARTS

History

Tyler Anthony Green

Chloe Eleanor Thompson

CARNEGIE MELLON INSTITUTE FOR STRATEGY AND TECHNOLOGY

BACHELOR OF SCIENCE

Economics and Politics

◇ Oliver Richard Bauer
Minor: Ethics

◇ Adiva Dutta
Minor: Decision Science

Allison Elizabeth Hallowell

◆ Abigail Khieu **
Minor: Business Analytics
and Optimization

◆ Abhay Liginlal

◆ Ethan Paul Osier
Additional Major: Ethics,
History, and Public Policy

International Relations and Political Science

◆ Keilani Raenessa Barba
Additional Major: Professional Writing

◆ Sydney Juan Hong Everett Boyer
Minor: Social and Political History

◆ Gabrielle E. Brown
Minor: Economics

◆ Ethan Chen

Paloma Del Toro

◆ Wm. Patrick Fisher
Additional Major: Film and Visual Media

Ethan Jeffrey Fusilero

◆ Daniel K. McNulty
Minor: Arabic Studies

◆ Nicholas Stanley Mlakar
Additional Major: Social
and Political History

Tristan McCormick Ohler
Minor: Chinese Studies
Minor: Computer Science

◆ Marissa Baldauf Pekular
Minor: Professional Writing

◆ Benjamin Ryan Petro
Additional Major: Social
and Political History

◆ Smithi Avani Rosemary Seshiah
Minor: Business Administration
Minor: French and Francophone Studies

◆ Victoria Reanna Shats

International Relations and Politics

Sammel Abodo **
Minor: Cybersecurity and
International Conflict

◇ Steven Anthony Aceti

◆ Jiahui He *

Mia Kathryn Krishnamurthy *

◆ Sofia Camila Torrenegra *
Minor: Cybersecurity and
International Conflict

MASTER OF INFORMATION TECHNOLOGY STRATEGY

Information Technology Strategy

Seth Philip Benson

Ashley Chung

Jenny Luo *

Pablo Andres Marin Vicuna

Katsuya Nakano

Yusuke Uchida *

Joshua Nathaniel Williams *

Information Technology Strategy - Applied Strategy

Hugo Esteban Andrade Carrera **

Tanay Bharadwaja **

Errol Brown **

Leqian Cai **

Zengyongxi Deng **

Yimin Ding **

Jelani Du Bois Dula **

Yue Jiang **

Yu Ma **

Peilin Miao **

Yen-Ju Pon **

Jiangni Ren **

Sarah Constance Rutherford **

Devashish Sanjay Ubale **

Erik Shimabukuro Voss **

Caiyu Wang **

Jingyuan Wang **

Henry George Xu **

Runhai Xu **

Yiliu Xu **

Yijia Yuan **

Gengyuan Zhang **

Meng Zhou **

MASTER OF SCIENCE

International Relations and Politics

Seth Bernard Bolden

Amor Chambers

Arina Gurevich

Lauren Elise Harpole

Jesse Luke Jenkins

Kyle Reed Patterson

Kyle M. Samuels

LANGUAGES, CULTURES AND APPLIED LINGUISTICS

BACHELOR OF ARTS

Applied Multilingual Studies

◆ Lily Ehida Madojemu
Additional Major: Human-
Computer Interaction
Minor: Design for Learning

Russian Studies

◇ Hannah S. Shane
Additional Major: Statistics
Minor: Cybersecurity and
International Conflict

MASTER OF ARTS

Applied Linguistics and Second Language Acquisition

Henry Martin Aberle

Megan Otto Altman

Margaret Elizabeth Gerlach

Christian B. Sherwin

Graca Nichole Webster

DOCTOR OF PHILOSOPHY

Michael Brian DeSalvo
Filming to Feel French: Developing
Affective Interactional Repertoires
Through Film Analysis and Film Making
Advisor(s): Natalie Amgott,
Remi Adam van Compernolle,
Sebastien Dubreil

Eric Johnson
Learning to Play to Learn: The Emergence
of Language Learning Opportunities
in Expert-Mediated, Collaborative
Digital Game-Based Interaction
Advisor(s): Remi Adam van Compernolle

Joy Yiwei Maa
Computer-Mediated Communication
in Study Abroad: Second Language
Acquisition of Japanese Speech Style
Advisor(s): Katharine Burn,
Sebastien Dubreil, Naoko Taguchi

Dominique Murdock **
Investigating Identity Awareness
in University Level Multilinguals:
An Emphasis on Defining
Investment-Based Approaches,
Measurements and Applications
Advisor(s): Uju Anya

Ding Wang-Bramlett
Heritage and Non-Heritage Learners of
Chinese: Expertise, Epistemic and Deontic
Authority and Learning Experience
Advisor(s): Remi Adam van Compernolle

NEUROSCIENCE INSTITUTE

DOCTOR OF PHILOSOPHY

Arish Alreja
The Neurodynamic Basis of Real
World Face Perception
Advisor(s): Avniel Ghuman, Robert Kass

Nicholas M. Blauch **
A Connectivity-Constrained Computational
Account of Topographic Organization
in High-Level Visual Cortex
Advisor(s): Marlene Behrmann,
David Plaut

Jayanth Koushik **
Rethinking Object Categorization
in Computer Vision
Advisor(s): Aarti Singh, Michael Tarr

Amy Isabella Sentis *
Imaging the Relationship
Between the Brain, Heart and
Cardiovascular Disease Risk
Advisor(s): Timothy Verstynen

Yuan (Aria) Wang *
Using Task Driven Methods to
Uncover Representations of
Human Vision and Semantics
Advisor(s): Michael Tarr, Leila Wehbe

Hillary Anne Wehry *
The Role of the Cerebellothalamocortical
Pathway in Skilled Reaching
Advisor(s): Robert Turner, Byron Yu

Shenghao Wu **
Automatic Customization of Large-
Scalespiking Network Models to
Neuronal Population Activity
Advisor(s): Matthew Smith, Byron Yu

PHILOSOPHY

BACHELOR OF ARTS

Linguistics

◆ Anna Michaelene Keresztesy

Philosophy

◆ Tandri Einarsson
Additional Major: Social
and Political History

◆ Letian Huang

Danna Taylor
Minor: Hispanic Studies

BACHELOR OF SCIENCE

Logic and Computation

◆ Gavin Daniel Burke

◆ Alexander James Bartek Gillon
Minor: Computer Science

Nathan Yu *
Minor: Computer Science

Johnny Zeng

MASTER OF SCIENCE

Logic, Computation and Methodology

Haoyue Dai **

Gregory Langmead

Franco Bastian Menares Paredes

Zhi Yong Ignavier Ng

DOCTOR OF PHILOSOPHY

Maria Alejandra Arciniegas Gomez *
Reframing Privacy in the Digital
Age: The Shift to Data Use Control
Advisor(s): David Danks (UC San Diego),
Alex John London

Shuyan Wang *
Nonlinearity, Feedback and Uniform
Consistency in Causal Structural Learning
Advisor(s): Peter Spirtes

PSYCHOLOGY

BACHELOR OF ARTS

Psychology

◆ Amor Ai

David Huynh Phan
Additional Major: Statistics

◆ Xavier Jude Wyncoop
Additional Major: Decision Science

BACHELOR OF SCIENCE

Cognitive Science

◆ Amsala Govindappa
Additional Major: Human-
Computer Interaction
Minor: Sociology

◇ Anna Michaelene Keresztesy

◇ Yeonwoo Kim

◆ Charlotte Elise Lamm
Minor: Soft Technologies

◆ Menghan Liu
Additional Major: Human-
Computer Interaction
Minor: Japanese Studies

◆ Muzaffar Ihsaan Mohamed
Additional Major: Computer Science

◆ Molly Isabella Niehaus
Minor: Computer Science
Minor: Linguistics

Siddharth Parthiban **

Sophie Song **
Minor: Business Administration

◆ Hope Shea Sowle
Minor: Photography

Samhitha Srinivasan

◆ Nellie Tonev
Additional Major: Human-
Computer Interaction
Minor: Computer Science
Minor: Game Design

Tanuj Vasudeva

◆ Chloe Wen **
Additional Major: Computer Science

Neuroscience

◆ Brian Patrick Balo
Additional Major: Japanese Studies

◆ Aiwen Chen
Minor: Philosophy

◆ Song Hee Lee

◆ Olga Maria Mavridis
Minor: Biomedical Engineering

◆ Emril Pasha Radoncic

Andrew Joseph Voor

Psychology

◆ Elaina Sophia Ackatz Young
Minor: Japanese Studies

Karen Gabriela Bolivar **

◆ Michelle Alejandra Garduño
Minor: Social and Political History

◇ Letian Huang

Piper O. Johnson *

Elizabeth Saeah Kim

◆ Max Anthony Bucci Labovitz

◆ Kayla Hannah Levine
Minor: Cognitive Neuroscience

◆ Fangqi Liu
Additional Major: Human-
Computer Interaction
Minor: Neural Computation
Minor: Physical Computing

◇ Megan Elizabeth Matsko
Minor: Cognitive Neuroscience
Minor: Decision Science

◇ Lilly McLeod

◆ Ziggy Sheynin
Additional Major: Hispanic Studies

Alicia Shin
Minor: Human-Computer Interaction

Joy S. Ugwu

◆ Zhiyu Yu

◆ Jacqueline Jielin Zhao
Minor: Gender Studies

Psychology and Biological Sciences

Joshua William Baugh

◇ Emily M. Jordan

MASTER OF SCIENCE

Psychology

Jawaad Belkhir

Austin Luor **

Chisom Obiamalu Obasih **

DOCTOR OF PHILOSOPHY

Pierre Giovanni Gianferrara **
Computational and Neural
Investigation of Skill Learning
Across Speeds in Video Games
Advisor(s): John R. Anderson

Timothy Kevin Murphy
Transfer of Statistical Learning from
Speech Perception to Speech Production
Advisor(s): Lori Holt

Roderick Yang Terng Seow *
Rule Discovery in Function Learning
Advisor(s): John R. Anderson

SOCIAL & DECISION SCIENCES

BACHELOR OF ARTS

Behavioral Economics, Policy, and Organizations

Melody Tang **
Minor: Business Analytics
and Optimization

BACHELOR OF SCIENCE

Behavioral Economics

David Lee

◆ Bangjie Liao
Additional Major: Decision Science
Minor: Business Administration

◆ Eric Javier Molto
Minor: Business Administration

◆ Michelle Jianing Ye **
Minor: Business Analytics
and Optimization

Decision Science

◆ Amelia Austin
Additional Major: Human-
Computer Interaction
Minor: Business Administration

◆ Mennatallah Barghout
Minor: Business Administration

◇ Amelia Dunstan Boose
Additional Major: Behavioral
Economics, Policy, and Organizations
Additional Major: Statistics

Neville Caceres Jr. **

Shahin Choudhury

Alexander Ku-Hun Chung **
Additional Major: Social
and Political History

◆ Thomas Wil Fong

◆ Danning Ashley Hu
Minor: Behavioral Economics

Peter Hyun Joon Jeon

◆ Krishni Jumani
Minor: Business Administration

◆ Victoria Esther Jung
Minor: Politics and Public Policy

Lana Maria Kim
Additional Major: Social
and Political History

Min Sue Lee
Minor: Human-Computer Interaction

Annie Nam
Minor: Behavioral Economics,
Policy, and Organizations

Brileigh Elaina Peters
Minor: Business Administration

◆ Qi Wang
Minor: Media Design

Ji Yeon (Justina) Yoo
Minor: Architecture
Minor: Human-Computer Interaction

Yueming Yuan
Additional Major: Human-
Computer Interaction
Minor: Game Design

MASTER OF SCIENCE

Behavioral Decision Research

Jose Arellano

Dhwani Yagnaraman

DOCTOR OF PHILOSOPHY

Samantha Horn *
Examining the Existence and Impact of
Biases in Learning-Related Choices
Advisor(s): Julie Downs,
George Loewenstein, Peter Schwardmann

STATISTICS & DATA SCIENCE

BACHELOR OF SCIENCE

Economics and Statistics

◆ Christian A. Angelov

◆ Guanda Chen

Yiting Chen
Minor: Business Administration
Minor: Human-Computer Interaction

◇ Jacob Coffey
Minor: Music

◆ Emily Ford **

◆ Jingxuan Gao
Minor: Business Administration

◆ Jenny (Siyan) Guo
Minor: Business Administration

◆ Lakshmi Esha Gupta
Minor: Business Administration

◆ Rachel Jisoo Han
Minor: Decision Science

◆ Tzu-Chuan Huang
Minor: Computer Science

◆ Xinyi Ke
Minor: Computer Science

Arrshia Kumar

◇ Jonathan Kyungjoon Lee

◆ Ruiwen Liu

◆ Stotra Gopesh Pandya

◆ Vardaan Hiren Shah
Minor: Business Analytics
and Optimization

◇ Katherine Shaw
Minor: Computational Finance

◆ Nidhi Singh
Additional Major: Decision Science

◆ Zoe Thorpe **
Minor: Business Administration

Tengjing Wang

◆ Yutong Wu

◆ Lehan Xu
Minor: Business Administration
Minor: Drama

◇ Helen Zhao
Minor: Environmental and
Sustainability Studies
Minor: Politics and Public Policy

Statistics

◇ Amor Ai
Additional Major: Decision Science

Aristaeus Yixun Chang
Minor: Psychology

Heeju Cho
Minor: Business Analytics
and Optimization

Ga Won Choi
Additional Major: Decision Science

◆ Malcolm Isaac Ehlers
Minor: Drama

◆ Yixin Huang
Additional Major: Business Administration

◆ Seyoung Lee
Minor: Humanities Analytics

◆ David Lurie
Additional Major: Decision Science

Suha Niyas
Minor: Business Administration

Gaeun A. Oh
Additional Major: Human-
Computer Interaction

Jehyo Park
Minor: Business Analytics
and Optimization
Minor: Music

Monica Patricia Paz Parra
Minor: Human-Computer Interaction

Divya Arun Rao *

Sabrina Diane Rodriguez **

◆ Grisham Sharma Vazirani
Minor: Computational Finance

◇ Xuduo Victor Wen

◆ Jiayu Xu
Additional Major: Film and Visual Media

Darien Lucas Yang
Minor: Business Administration

◆ Zhiyu Yu

Daniel Zhu
Minor: Business Administration

◆ Yiwen Zhu
Additional Major: Business Administration

Statistics - Mathematical Sciences Track

◆ Xiaohan Liu
Minor: Chinese Studies

Statistics and Machine Learning

Farida Mohamed Abdelmoneum **

◆ Emaan Khan Ansari
Minor: Computer Science

Justin Austin
Minor: Photography

Nayana Balusu
Additional Major: Computer Science

◇ Anusha Bhat
Minor: Biological Sciences

◆ Ezra Boldizsar
Additional Major: Philosophy
Minor: Computer Science

◆ Yu-An Chen **
Minor: Computer Science

◆ Steffi Chern

◆ Evelyn Yejin Chung
Minor: Computer Science

Audrey Ding

Ryan Ethan Driscoll
Minor: Chinese Studies
Minor: Computer Science

◆ Sijia Fan
Additional Major: Human-
Computer Interaction

Irene Kaixin Gao
Minor: Economics

◆ Kaiwen Geng
Additional Major: Artificial Intelligence

◇ Zihan Geng
Additional Major: Computer Science

◆ Liam Joseph Gersten
Additional Major: Computer Science

Brayden Michael Gess

◆ Aanya Gupta
Minor: Business Analytics
and Optimization

◆ Bhargav Hadya
Minor: Computer Science

Jett Earl Hays **

◆ Yaoyun Hu
Minor: Business Administration
Minor: Computer Science

◆ Lawrence Keunho Jang **

Shasvat A. Jawahar **

◆ Jack Brooks Kiefer
Additional Major: Computer Science

Dongkyu Kim
Minor: Business Analytics
and Optimization

Chang Bum Lee

Rose Lee

Tae Han Lee

Kaylin Yingxin Li
Additional Major: Technical Writing
Minor: Humanities Analytics

◆ Sarah Li
Minor: Business Analytics
and Optimization
Minor: Computer Science

◆ Wenhan Li
Minor: Computer Science

Jason Lin
Minor: Computer Science

Yanyu Lin **
Additional Major: Computer Science
Minor: Software Engineering

◆ Hanqing Liu
Additional Major: Artificial Intelligence

Fuyang Lu
Minor: Computer Science

Vernon Luk
Additional Major: Artificial Intelligence

◆ Aaron J. Marmolejos
Additional Major: Computer Science

Jackson Anthony Meehan
Minor: Artificial Intelligence

Yuvraj Mehra

Jeffrey Fangyuan Mi

Tyshanti Montgomery

◆ Raaka Mukhopadhyay **

Dhruva Paleru Naidu
Minor: Computer Science

◇ In Kyung Nam
Minor: Mathematical Sciences

Srihita S. Nangunuri
Minor: Business Analytics
and Optimization

◆ Nandini Neralagi
Minor: Software Engineering

◆ Danny An Nguyen
Minor: Societal and Human
Impacts of Future Technologies

Nanditha Niranjan
Minor: Computer Science

◇ Yixin Pan
Minor: Business Analytics
and Optimization

Jean Park
Additional Major: Human-
Computer Interaction

Jonathan Ko Park
Minor: Computer Science

Ravi Rashik Patel
Minor: Logic and Computation

Marcos Francisco Pi Marrero
Minor: Business Administration
Minor: Computer Science

Aidan C. Powers
Minor: Computer Science

Justin Minghai Psaris *
Minor: Japanese Studies

Shivani Ramalingam **
Minor: Business Analytics
and Optimization

Meera Ray *
Minor: Literature and Culture

◆ Yasemin Rees
Minor: Music Technology
Minor: Sonic Arts

◆ Harry Jia Ren
Minor: Business Administration
Minor: Intelligent Environments
Minor: Physical Computing

◆ Mudita K. Sai

Malek Nayel Shafei

◆ Roochi T. Shah
Minor: Artificial Intelligence
Minor: Machine Learning

Aditya Sharma

◆ Otto Jackson Singlet Sharples
Minor: Computer Science

Supriya Shingade
Minor: Computer Science

Audrey F. Simon

Josiah Cicero Smith

◆ Yueqi Song

Steven Jiachen Tang
Minor: Computer Science
Minor: Neuroscience

◆ Kruthi Thangali **
Minor: Computer Science

Ethan Jeong-Ho Vertal

Jerry Wang
Minor: Business Administration

◆ Lejun Wang

◆ Angela Yixin Wei **
Minor: Business Analytics
and Optimization

◆ YiYang Wei

◆ Yixuan Wu
Additional Major: Computer Science
Minor: Japanese Studies

◆ Bo Xia

◆ Eileen Weizhen Xiao

Shenyi Xie
Minor: Computer Science

◆ Cindy Xiong **
Minor: Human-Computer Interaction

Megan Meng Yu Xu
Additional Major: Computer Science
Minor: Game Design

Nathanael Thomas Yeager

◆ Daniel T. Yi
Minor: Computer Science

◆ Qihui Yin
Minor: Computational Finance

Jessie Yung
Minor: Chinese Studies

◆ Hanyue Zhang
Minor: Computational Finance

Rick Zhang **
Minor: Art
Minor: Computer Science

◆ Sizhe Zhang
Minor: Business Analytics
and Optimization

Stephen Zhong
Minor: Computer Science

MASTER OF SCIENCE

Applied Data Science

Tilina Alzaben

Devin Basley

Jihyo Chung

Sophia Zhifei Gan

Marion D. Haney

Shane William Hauck

Elizabeth Ho

Jamie Kim

Gabriel Garvin Krotkov

Daven Lagu

Vinay Maruri

Courtney Middaugh

Divya Arun Rao

Suyeon Song

Zachary Strennen

Shiyu Wu

Xiaowen Wu

Statistics

Xander James Brick

Selina Carter

Yuchen Chen

Margaret Ellingwood

Julia Elrod

Rebecca Farina

Peem Lerdputtipongporn

Ngoc Minh Quang Nguyen

Odalys Barrientos Pantoja

Annaelaine Rosengart

Huanbiao Zhu

DOCTOR OF PHILOSOPHY

Nil-Jana Akpinar *
The Role of Noise, Proxies and
Dynamics in Algorithmic Fairness
Advisor(s): Alexandra
Chouldechova, Zachary Lipton

Timothy Barry *
Robust Inference for Single-
Cell CRISPR Screens
Advisor(s): Kathryn Roeder

Yo Joong Choe *
Comparing Forecasters and
Abstaining Classifiers
Advisor(s): Aaditya Ramdas

Addison Hu **
Estimation of BVk Functions
from Scattered Data
Advisor(s): Sivaraman Balakrishnan,
Aarti Singh, Ryan Tibshirani

Tudor A. Manole
Statistical Inference for Optimal Transport
Advisor(s): Sivaraman Balakrishnan,
Larry Wasserman

Alexander William McClean
Heterogeneity, Sensitivity, and
Optimality in Causal Inference
Advisor(s): Zachary Branson,
Edward Kennedy

Beomjo Park *
Robust Inference: A Price of
Misspecification and How to Be Resilient
Advisor(s): Sivaraman Balakrishnan,
Larry Wasserman

Aleksandr Podkopaev *
Uncertainty Quantification
Under Distribution Shifts
Advisor(s): Aaditya Ramdas

Jinjin Tian *
Advances in Statistical Gene Networks
Advisor(s): Kathryn Roeder

STUDENT-DEFINED MAJOR

BACHELOR OF ARTS

Immersive Digital Storytelling

◆   Nancy Zuo
    Minor: Design
    Minor: Human-Computer Interaction

Heinz College of Information Systems and Public Policy

DEAN OF THE COLLEGE
Ramayya Krishnan

SCHOOL OF INFORMATION SYSTEMS AND MANAGEMENT
Andrew Wasser, Associate Dean

SCHOOL OF PUBLIC POLICY AND MANAGEMENT
Jacqueline Speedy, Associate Dean

INFORMATION SYSTEMS AND MANAGEMENT

MASTER OF SCIENCE

Information Security Policy and Management

Haein Ahn
Shahr Ayed Alazmi
Ana Elvira Alfaro Pizaña
Caroline Grace Bailey **
Sujith Bellam
Elizabeth Grace Bushey
Changjae Chung
Paige Counihan
Nathan Samuel Cross
Aaron Patrick Czulada
Derric George Denniston
Aayush Dhanotiya
Morgan Douglas
Preston Joseph Evans
William W. Flanagan
Rachael Harris
Nichole Elizabeth Irving **
Laxita Jain
Hsin-Li (Cindy) Kan
Hidenori Kato
Chia-Tse Kuo
Sarah Young Kuzniewski
Song Li
Yuanyi Li
Kevin JhengChi Lin
Tyson Dee Lindley
Delgerbayar Lochin
Sterling McTee
Fernanda Molina Galindo
Supriya R. Nittoor
Sagar Pandita
Wendy Cossett Rodriguez *
Shubham Shastri
Niklas Sommerer

Andrew James Strozewski
Eyade Housin Subahe
Prasiddha Sudhakar
Kee Hock Tan
Romina Tammi Tello Lobato *
Yao Wang
Yujie Wang
Yunyi Wang
Keaton John Wirth
Tianyi Zuo

MASTER OF INFORMATION SYSTEMS MANAGEMENT

Business Intelligence and Data Analytics

Faraz Ahmad
Sahil Ahuja **
Shaunak Milind Alshi **
Arvind Ananth Krishnan **
Avery Augustus Austin
Samuel Bacon **
Pranav Dinesh Bhat **
Abigail Anneliese Brown
Kexuan Cai **
Gage Devon Callahan
Thomas Lawrence Canchola
Sennan Cen **
Deborah Chan Wye Yin **
Sujai Sheell Chaudhary **
Huankang Chen
Yi Chin **
Ariane Jean Ashwin Correa **
Yangyong Deng
Ronak Bhadresh Desai **
Gautam Dayananda Devadiga
Charles Steven DeVries **
Kristen Gabriella D'Mello
Victor Nosahuemwonren Ewere *
Nathaniel David Fairbank **
Angus MacLean Ferrell

Brenna Marie Friedel
Jiayang Gao **
Yuanyuan Ge *
Xiaoyun Geng **
Yi Guo **
Tarushi Gupta **
Shraddha Gupte *
Yixuan He **
Lifu Hsu
Ting-Yu Hsu
Qinruo Hu **
Ruifang Hu **
Ningyu Jia *
Xiaotong Jiang
Tianwei Jing **
Keerthi Jayaram **
Hulasi Khinvasara **
Ryan David King **
Adam Spencer Knapp
Man Kit Jack Kong **
Xiangrui (Cindy) Kong **
Arya Sanjay Kothari **
Shivaani Krishnakumar **
Manasi Anil Ladkat *
Wirach Leelakiatiwong *
Kening Li *
Nange Li *
Zhichen Li **
Zhihan Li **
Shiqi Liang **
Tianyi Liao **
Zixu Lin **
Nayuan Liu
Zheng Liu **
Sarah Renwick Long **
Shreya Lunkad **
Greta Luo
Bharat Madan **
Manavendrasinh Maharana **
Zhaoru Meng **

Nikhita Mishra **
Piyush Mishra **
Karshni Mitra *
Yiteng Mu **
Shashank Nanda Kumar
Grayson James Osborne
Nikhil Reddy Pallepati *
Dhwani Ravi Panjwani **
Shayan Panjwani
Santhoshkumar Panneerselvam
Swathi Parvathaneni **
Adam James Patula
Chad Thomas Penny
Aashish Sairam Pitchai **
Tejo Vinay Potti **
Peter Ronald Previte
Praveen Ramesh *
Mariana Ramirez
Krish Rana **
John Roll
Sharon Roy **
Aashray Saini *
Joanna Sam
Omar Leonardo Sanchez Granados **
Sasis Sawartsut **
Preetha Selvakumar *
Sahithya Senthilkumar **
Nima Shafikhani **
Aastha Pramir Shah *
Utkarsh Sharma **
Yi Shi **
Muhammad Asad Shoaib **
Utkarsh Shroff **
Siddhartha Singh *
Bian Sun
Xiaonan Sun **
Yuetian Sun **
Pratyaksh Verma **
Kexin Wang **
Minyi Wang **
Peijia Wang **
Zirui Wang
Abby Jo Wilton
Shuang Wu **
Xuefan Yan **
Hsiu-Yuan Yang *
Xinyi Yang **
Xinyuan Yang **
Fanqi Yi **
Saba Zaheer **
Lian Zeng **
Bohan Zhang **
Hanling Zhang **
Yubaihe Zhou *

Information Systems Management

Brilian Pracoyo Adi
Aradhya Asthana
Siddhesh Badhan **
Yuanchen Bai **
Deepanshu Bakhru **
Namit Bansal
Krishna Biswal
Mahima Borah **
Yutong Cai
Xiaotian Cao **
Sathiya Narayan Chakravarthy **
Diksha Rajesh Chand **
Amit Kumar Chandra
Madhukar Chavali
Chaofan Chen **
Fan Chen
Li-Li Chen **
Pin-Ju (Maggie) Chen **
Pin-Yu Chen **
Wenyu Chen **
Yang Chen
Yanjun Chen
Kathy Chiang **
Waverly Blossom Chin
Ida Clayes
Xuezhen Dai
Krishna Prajeeth Damera
Valerie David **
Zhijian Deng **
Mugdha Suryakant Deokar **
Ruta Surendra Deshpande **
Sharayu Sanjay Dhavale
Harshvardhan Sanjay Dubey **
Yushi Feng
Jainam Manoj Gala
Sanjana Ganesh **
Diana María García Bustamante **
Laura Gil **
Yu Gu **
Jiaru Guo
Yuchan Guo **
Aditi Rajesh Gupta **
Anisha Gupta
Shivani Gupta
Yashi Gupta
Sanika Sandeep Hadatgune **
Yiping He **
Emma-Miranda Soida Herrera
Chi-Jung Ho
Caifei Hong **
Jinhui Hong
Menglei Hua **
Chenghao Huang
Raoyi Huang **
Ya-Chieh Huang **

Chun-Wei Hung **
Wan-Ping Hung
Sambhav Jain **
Shlok Jethmalani **
Qinlin Jia **
Jiale Jiang
Vanessa Johnson **
Atharva Joshi **
Jiyoon Jung **
Rohan Milind Kacheria
Harish Satya Karumuri **
Yasuhiro Kawabata **
Dhruvi Ajay Khankhoje **
Kaushal Sunil Kulkarni **
Kefan Li **
Wanyu Li
Yunna Li
Zihan Li **
Zirui Li **
Xinpeng Liu **
Wei Lo
Man Luo **
Mario Christi Lusandry
Yuefeng Ma
Seva Mahapatra
Satoru Masukata **
Colton John McBride **
Scott Ross McDonald **
Parthivi Sanjay Merchant **
Niyati Mittal
Medha Praneeth Reddy Modulla **
Pavani Sucharitha Mogili **
Sreemoyee Mukherjee **
Yogita Mukhija
Tanvi Murke **
Suhaas Nallur Manjuraju
Verrisa Marian Owusu **
Jorge Ernesto Palacio
Meghana Palakodeti **
Guruprasad Ravindra Panda **
Akshita Patil **
Dibyanshu Patnaik
Jinghong Peng **
Ruth Aradhana Peter **
Ipsita Praharaj **
Saloni Priyani **
Swathi Rai
Malavikka Rajmohan **
Jiarui Rao
Dhwani Gopalbhai Sanmukhani
Carlos Schenone Poggi
Rheann Erica Sequeira
Lakshay Sethi **
Abhishek Bhushan Shah **
Ziwei Shao **
Anushree Sharma *

Yuqing Shen **
Vikash Kumar Singh
Vishnu Vijay Singh
Aishwarya Singtamkar
Sara Hongqian Song
Vignesh Sridhar
Ayushman Srivastava
Guohao Su **
Hao Sun **
Yumeng Sun **
Ziang Sun **
Agnes Huberta Suyanto
Piyush Mahendra Talreja
Prachee Raju Talwar
Siyu Tao
Soham Thakur
Arvind Ganesan Thever
Yang Tian
Yiwei Tian **
Jo-Hsuan Tseng
Somya Upadhyay
Nikita Vignesh Kumar **
Chinmay Vivek
Dishant Atul Vora
Lu Wang
Xinyu Wang
Yao-Chang Wang **
Zhenqi Wang
Yupeng Wei **
Andy Wu
Haowen Wu
Kunhan Wu **
Yuting Wu **
Yuxi Wu
Xingyao Xie
Yao Xie
Jiabo Xu
Longyang Xu
Purui Xu
Yidan Xu
Saurav Yadav
Shiwei Yu
Wenting Yu **
Wei Yue **
Luyu Zeng **
Mujie Zhang
Yiping Zhang **
Yunyu Zhang **
Zhong Zhang **
Yiwen Zhao
Yuanyuan Zheng
Haipei Zhong
Yirui Zhu
Wei Zou

DOCTOR OF PHILOSOPHY

Xiyang Hu
Empowering High-Stakes Applications Through Human-Centered Machine Learning
Advisor(s): Yan Huang, Beibei Li, Michael D. Smith

Shuxuan Zeng
Better Policies For Internet Regulations: Responding to the Rise of Child Sexual Abuse Materials and Human Sex Trafficking Facilitated by Online Platforms
Advisor(s): George H. Chen, Brett Danaher (Chapman University), Daniel Nagin, Michael D. Smith

INFORMATION TECHNOLOGY

MASTER OF SCIENCE

Information Technology - Business Intelligence and Data Analytics

Clarke D. Bacharach **
Christopher Forrest Bidlake **
William Christopher Boehle *
Chun Yiu Chan **
Kai E. Daniels
Daniel Jacob Deniger *
Jessica Ann Deryckere **
Hannah Katherine Doerr
Vera (Shuyao) Fan **
Lata Gadoo
Paola Garcia *
Ruben Giro
Han Han
Joseph Michael Holleran **
Mercy Sathya Sharmila Isaac
Nithin John Manjooran **
Cesar Martin Del Campo
Aaron Joseph Miller **
Jayasri Puppala
Antara Saha **
Ramsey Slim
Jae Eun Walk **
Haoyu Wang **

Information Technology - IT Management

Nitin Chandola **
Mimi Beth Klimberg *
Aniish Sridhar **
David Su
Quinn Tian
Demetri Raynard Wilright *
Yuanjun Xiang
Stephanie Irene Mei-Va Yee **
Vincent Zickefoose **

Information Technology - Information Security and Assurance

Daryl Andershock
Nina Christelle Bangai
Angel Cruz Binas II
Reetu Raj Bok
Michael Lawrence Brown **
Priya Kikani **
Olivia Morgan Kisker *
Abrere Sophie Kozolan **
Ryan Joseph Leszczynski **
Joshua Michael Lincicum
Brenton Thomas McKinney
Brian A. Miller **
Arthur Hamilton Neumann **
Christine Sayuri Pelione
Evan M. Phair **
Daniel Vincent Pillitiere
Cole Alexander Ragan Scully
Kruppa Raghuraman
Samantha Jing Wen Siau
Elizabeth Marie Sims **
Morgan Ashley Slezak
Trina C. Washington
Eric Zielinski

Information Technology - Information Systems Management

Senthil Ravishankar *
Michael Schuplin
Kendall Kay Wilson

PUBLIC POLICY AND MANAGEMENT

MASTER OF MEDICAL MANAGEMENT

Medical Management

Fayez Anwar Ajib
Milind Sumant Awale
Taylor Lynn Bertschy
Vidya Chidambaran
Susan Luse Deakin
Jon Englund
Katie F. Farah
Jason Eugene Foil
Jan Franko
Lucas Lee Groves
Jamie Michelle Hess
Joel Douglas Himes
Lianne Taira Ho
Neil Nathaniel Jasey Jr.
Maliha Zia Kamal
Sayed A. Kazi

Inna Kovelman Massaro
Mouhib Naddour
Isabelle Kayitesi Ntirushwa
Bindesh Patel
Phillip Robert Peterson
Kesavan Sadacharam
Philip Henry Scharper
Maritsa Moller Scoulos-Hanson
Jean Victoria Storey
Tallal M. Zeni

MASTER OF PHILOSOPHY

Public Policy and Management

Daniel Patrick Stock

MASTER OF PUBLIC MANAGEMENT

Public Management

Jonathan Michael Alexander **
Natalie Laurel Boerio
Randy Patrick Burger **
Katie Marie Ciez **
Aaron Marc Detwiler
Ryan Regis Faddish
Glennen Greer
Anne Elaine Rinehart Harder *
Sarah Eileen Linder Marx
Carina Paige Martin
Rebekah E. McGhee *
Sara Ester Melo De Weber
Shiou Weei Ong
Joshua Rolón **
Jessica Dawn Newport
Kana Thorpe
Lynda Wrenn
Tina Marie Yankovich

MASTER OF SCIENCE

Health Care Analytics and Information Technology

Katelin Lauren Rimando Avenir
Chih-Ling Chen
Jingchen Fu
Mingwei Gao
Radhika Govindarajan
Haoge Huang
Grace Eunji Kim
Phrimphissa Kraikhun
Sant Leelamanthep
Mandi Liu
Yue Sun
Wei-Yi Tsai
Merlin Wijaya
Abigail Tianai Zhang **
Enze Zhao

Health Care Policy and Management

Christopher Ray Elston *

Public Policy and Management

Nouman Ahmed
Eviana Maria Barnes
Kayley Arina Bayne
Adelyne Jose Bejjani
Saul Bezner
Daniel Alan Bissonnette
Evan Robert Cardinal
Bianca Castro
Xianying Chen
Jared Clayton
Davis Murphy Craig
Sydney Anne Cullen
Kulmeher Dhaliwal
Melanie Christine Diaz
Bethel Yalew Endawoke
Tyler Ross Faris
Christopher Frias
Jenna Elise Geiman
Donald J. Genetin
Bishu Giri
Avery Hart
Maim Hoque
Jiaxin Hou
Yanglin Hu **
Marco Antonio Huerta
Muhammad Ali Idrees
Zhihao Jin
Beleyou T. Kebede
Kamran Khalid **
Curtis Lee
Harrison Parker Leon
Minkang Li
Angela Maria Luna Guerrero
Xiaoyang Ma
Oliver Jay Marguleas
Kylee Jean Mattson
Jared Jacob McHale
Jacob Max Migdall
Grant Chiming Minagawa
Fatima Misbah
Olivia Ross Perfetti
Haleena Akiela Rose Phillips
Ellen Alexandra Pinnette
Juan Sebastian Puentes Castillo
Huanmin Qiu
Justin Redman
Jinyuan Ren
Yi Ren
Ethan Anthony Alexander Rhabb *
Nicholas James Rogness *

Brook Jennifer Russi Arias
Xiao Shi
Oravee Smithiphol
Katherine Rose Stancil
Alec Peter Tolmachoff
Danyang Wang
Yuding Wang
William Wilkinson
Yefan Xiao
Huiyan Xu
Yikai Xu
Mingyu Zhang
Yatian Zhang

Public Policy and Management - Adelaide, Australia

Iván Cachanosky *
Alfredo Francisco Carafí *

Public Policy and Management - Data Analytics

Muhammad Asghar
Quentin Jacob Auster
Miguel Antonio Avila Fuentes
Xiaoyun Chen
Samira Awa Diabi
Sajujya Gangopadhyay
Shubham Goel
Yue Han
Hiba Hassan
Meghan Holquist
Zhexuan Huang
Amelia Mae Janaskie
Jiaxuan Ji
Pranava Sruthi Kadiyala
Waseem Khan
Colton Gray Lapp
Huixuan Li
Yi Liu
Yining Lu
Yan Luo
Yilin Lyu
Genna Moellering
Manikandan Palaniappan
Niharika Patil
Shaorui Pi
Justin Poser
Talia Qaiser
Jiaying Qian
Uzma Sahar Rauf
Abdul Rehman
Michael Anthony Rodriguez
Kateryna Shapovalenko
Ryan Shen
Apoorva Shyamsundar Shetty
Apurv Singh

Zeinab Soumahoro

Demiao Sun

Chi-Shiun Tsai

Jack Charles Vandeleuv

Abhijit Verma

Tingyue Wang

Matthew Ryan Wu

Fuman Xie

Jiuyuan Xie

Yi-Hsueh Yang

Yu-Ju Yang

Jiayu Yuan

Madi Zhaksylyk

Shuyan Zhan

Qingyu Zhou

DOCTOR OF PHILOSOPHY

Cheng Cheng
Applied Machine Learning for Healthcare: Sepsis Phenotyping, COVID-19 Pandemic Responses, and Clinical Temporal Information Extraction
Advisor(s): George H. Chen, Zachary C. Lipton, Jeremy C. Weiss (National Institutes of Health), Wenbin Zhang (Florida International University)

Shihan Li
Essays on Intra-Organizational Networks and Individual Performance, Career, and Psychological Outcomes
Advisor(s): David Krackhardt, Nynke Niezink, Denise Rousseau, Catherine Shea

Mikaela Rose Meyer *
Approaches to Estimating and Reducing Disparities and Validating Risk Assessment Instruments in the Criminal Legal System
Advisor(s): Alexandra Chouldechova, Amelia Haviland, Edward Kennedy, Jing Lei, Kristian Lum (University of Chicago), Daniel Nagin

Xiaochen Sun
Three Essays on Environmental Economics
Advisor(s): Karen Clay, Akshaya Jha, Edson Severnini

Shruthi Venkatesh
Essays on the Economics of Health Care
Advisor(s): Marty Gaynor, Anh Nguyen, Maryam Saeedi

Lingxiao Zhao
Towards More Powerful Graph Representation Learning
Advisor(s): Leman Akoglu, Andrej Risteski, Neil Shah (Snap Inc.), Aarti Sing

Mellon College of Science

INTERIM DEAN OF THE COLLEGE
Curtis A. Meyer

DEAN OF CARNEGIE MELLON UNIVERSITY, QATAR
Michael A. Trick

BIOLOGICAL SCIENCES
Veronica Hinman, Head of the Department

CHEMISTRY
Bruce Armitage, Head of the Department

MATHEMATICAL SCIENCES
Prasad Tetali, Head of the Department

PHYSICS
Scott Dodelson, Head of the Department

STUDENT-DEFINED MAJORS
Maggie Braun, Associate Dean of Undergraduate Affairs for the College

BIOLOGICAL SCIENCES

BACHELOR OF ARTS

Biological Sciences

Vincent Geoffrey Adiong

Jinyoung Choe

◆ Kaitlynn Elizabeth Cooper *
Additional Major: Computational Biology

◆ Jennifer Lee
Additional Major: Statistics
Minor: Biomedical Engineering

Varshitha Talakola **
Minor: French and Francophone Studies

Sydney Peiran Zhang
Minor: Computer Science

BACHELOR OF SCIENCE

Biological Sciences

Aisha Mohammed Al-Maadeed

Noora Al-Sulaiti

◆ Shaikha Rashid Al-Sulaiti

Loora Albulushi

Wadad Albdulaziz Almuftah

Nada Fadel Al-Najar

Malak Annan *

Leila C. Awasthi
Minor: Chemistry

Akiri Brown
Minor: Technology and Policy

◇ Gillian Lee Croteau
Minor: Computational Biology

Ahmed El-Deyasty

◆ Yahya Mohamed Saad Elkhatib
Minor: Business Administration

Mariam Elmeragawi

◆ Adel Fergatova

Yara Siham Ganom

◆ Hana Hasna
Minor: Cognitive Neuroscience

◇ Sarah Xinru He
Minor: Biomedical Engineering

Tafannum Hossin

◇ Lianna Huang
Minor: Neuroscience

◆ Kainaat Nadeem Khan
Minor: Neuroscience

◆ Chaeyoung Kim

◇ Zhicheng Luo
Minor: Computational Biology

◇ Maya Jayne McAuley
Minor: Computational Biology

Syed Abbas Mehdi

◆ Prerna Mukherjee
Minor: Health Care Policy
and Management
Minor: Hispanic Studies

◆ Runjia Pan
Additional Major: Computational Biology

◇ Sophia T. Peng
Minor: Biomedical Engineering
Minor: Professional Writing

◇ Lalithashruthi Rajaraman
Minor: Cognitive Neuroscience
Minor: Sonic Arts

◆ Maya A. Salameh
Minor: Neuroscience

Caroline Seitz

◇ Adeline Barbara Sewack
Minor: Media Design

Amanda Marie Smith

◆ Eaint Thet Su
Minor: Neuroscience

◆ Fiza Faris Tarlochan

◆ Charles David Williams

Biological Sciences and Psychology

◇ Mia Joelle Carrarini
Minor: Biomedical Engineering

Katherine Elizabeth Freeman **

Eva Guo
Minor: Environmental and
Sustainability Studies

◇ Chloe Anne Sinagra
Minor: Gender Studies

Biological Sciences - Neuroscience Track

◆ Christian Hanul Kim

Renae Kurian

Andrianne Wanjiku Opio

Neuroscience

◆ Grace Hannah Benkart

◇ Madeline Darlene Burke

◇ Irene Chan

Emily Ralphaela Headden

Justin K. Hu

◇ Sanjana Krishna
Minor: Machine Learning

◇ Gabby Yoon Jeong Kwon
Minor: Biomedical Engineering

◇ Deepti Murthy
Minor: Machine Learning

◆ Claire Joyce Phoneprasert

◆ William Rabon
Minor: Ethics

◇ Tamandeep Kaur Saggi

◆ Alison Hui-An Shively
Minor: Gender Studies

Demetria E. White

◆ Virginia Deming Yost

◇ Veronica Zhang
Minor: Biomedical Engineering

MASTER OF SCIENCE

Biotechnology and Pharmaceutical Engineering

Ashni Arun **

Anna-Maria Catherine Baptiste **

Neha Mary Eldho **

Steven A. Gifford **

Ismail I. Hassan **

Bhavana Kalidindi **

Shih Hsuan Ku **

Yunfei Niu **

Anh-Thu Pham **
Divyam Gaurang Shah **
Satya Nikhil Talagadadevi **

Computational Biology

Nicholas James Ackerman
Li Chen
Wenduo Cheng
Yun-Shuo Chou **
Simon Chow
Yueqian Deng
Tresha P. Desai
Gabriel Campos Fonseca
Ethan Gaskin
Akshat Gupta
Ju-Chun Huang
Lilin Huang
Yuqi Huang
Shamieraah Jamal
Xueke Jin
Shweta Susan Jones
Alexander Clyde Kullman
Daniel Shin Woo Lee **
Sumitra Prasad Lele
Srujana Prasanna Neelavar
Rajdeep Shankar Pawar *
Riya Podder
Yuxuan Shen
Vallari Vivek Shende
Shloka Anupam Shukla
Anushka Sinha
Parnal Palashmohan Sinha *
Vratin Srivastava
Madison Grace Stulir
Aruneshwar Venkat **
Aman Virmani
Giang Thi Minh Vo
Ziyang Wang
Jen Yi Wong **
Wanzi Xiao
Zhiwen Yan
Zhen Yang
Andrew Yu
Thomas C. Zhang
Jinru Zhou **
Yixiao Zhu **

Quantitative Biology and Bioinformatics - Advanced Study

Amogh Ananda Rao **
Amrit Baweja **
Anokhi Haria **
Ashita Dharnendra Jawali **
Tao Luo **
Sanat Mishra **

Wrootchit Mishra **
Aniket Samit Naik **
Morgan Namie **
Harihara Prakash **
Lu Qiao **
Zubin Roy **
I-Shu Wang **
Yiyang Zheng **
Qixin Zhou **

DOCTOR OF PHILOSOPHY

Christina Akirtava *
Unraveling the Roles of mRNA Transcript Leader Sequences on Gene Expression
Advisor(s): C. Joel McManus

Sarah Marie Boothman
Wolbachia's Influence on the Brain: Investigating Behavioral and Proteomic Changes in D. Melanogaster
Advisor(s): Jonathan Minden

Zhangyu Cheng
Multiplex Magnify-Enabled Nanoscale Imaging and Analysis of Microparticles, Pathogens and Infected Tissues
Advisor(s): Yongxin Zhao

Mary D. Cundiff
The Path of Most Persistence: Investigating the Mechanism of Long-Lasting Motor Rescue in a Parkinsonian Mouse Model
Advisor(s): Aryn Gittis

Fiona Fitzgerald *
The Dead-Box Protein Drs1 Facilitates Compaction of rRNA Domain III During Nucleolar Stages of Large Subunit Assembly
Advisor(s): John L. Woolford

Nolan Frey **
Investing Calcium Dynamics and Hypoxia in Drosophila Embryos Through Microfluidics
Advisor(s): Philip LeDuc, Jonathan Minden

Xuecong Fu **
Deciphering Tumor Heterogeneity and Clonal Evolution via Computational Approaches
Advisor(s): Russell Schwartz

Brendan Ronald Gallagher *
Development of Ultra-Multiplexed Nanoscale Imaging Tools for Neural Synapse Investigation
Advisor(s): Yongxin Zhao

Alexander Hsu **
A Machine Learning Approach to Study Corticostriatal Circuit for Naturalistic Behavior
Advisor(s): Eric Yttri

Karina Mueller Brown *
Studies of Pneumococcal Populations: from Genomic Loci to Coordination Pathways and Interkingdom Interactions
Advisor(s): N. Luisa Hiller

CHEMISTRY

BACHELOR OF ARTS

Chemistry

Adrien Krupenkin
Mina S. Nowroozi
Alexander Leon Shepard
Minor: Business Administration
◆ Yutong Wu

BACHELOR OF SCIENCE

Chemistry

◆ Shubhay Praful Barhate
Daniel Patrick Belardi **
Thomas Michael Cross
Minor: Business Administration
◆ Jane Elizabeth Dean
◆ Wen Dou
Minor: Neuroscience
◆ Payton Ashley Downey
Minor: Physics
◆ Nina Clair Fisherman
Minor: Statistics
◆ Karan Sat Gill
Minor: Business Administration
◆ Rafael Guzman-Soriano
◆ Yu Hong
◆ Brian Kun-Woo Hu
Minor: Business Administration
◆ Jimin Hwang
◆ Minsuk Michael Kim
Additional Major: Human-Computer Interaction
◆ Caroline Elizabeth Rawls
Additional Major: French and Francophone Studies
◆ Minerva Schafer
Additional Major: Environmental and Sustainability Studies
◆ Chenrui Shao
◆ Erin T. Smith
Casey Tsai *
◆ Amogh Diwakar Tundlam
Minor: Mathematical Sciences
◆ Julia Wang
Yucheng Zhang
Additional Major: Environmental and Sustainability Studies
◆ Patrick Zheng

Chemistry - Biological Chemistry Track

Karthik Alejandro Krishnamurthy
◆ Yi Lin Qiu
◆ Mackenzie Elizabeth Riley
◆ Jing-Yi Zhou
Minor: Business Administration

MASTER OF SCIENCE

Chemistry

Payton Ashley Downey

Brian Kun-Woo Hu

Wei Jiang

Kriti Kapil

DOCTOR OF PHILOSOPHY

Isha Dhami *
Development of Programmable Gamma Peptide Nucleic Acids (γPNAs)
Advisor(s): Danith Ly

Hannah Chloe Frame **
TAML Catalysis for a Safer Environment: Oxidative Transformations of Natural and Anthropogenic Aqueous Micropollutants
Advisor(s): Terry Collins

Jamie Gaitor *
Anion Exchange Membranes Derived from Phosphonium and Ammonium-Functionalized Polynorbornenes
Advisor(s): Kevin Noonan

Evgeny Gutkin
Computational Approaches in Drug Design: Predicting Protein-Ligand Binding Free Energy and Blood-Brain Barrier Permeability Using Molecular Dynamics Simulations, Quantum Mechanical Calculations and Machine Learning Methods
Advisor(s): Maria Kurnikova

Jaepil Jeong
Controlled Synthesis of Nucleic Acid-Polymer Hybrids via Atom Transfer Radical Polymerization
Advisor(s): Subha Das, Krzysztof Matyjaszewski

Kriti Kapil
Synthesis of Protein-Polymer Hybrids by Aqueous Photo Atom Transfer Radical Polymerization
Advisor(s): Krzysztof Matyjaszewski

Tong Liu **
Functional Polymer Materials by ATRP: Preparation and Applications in Lithium Metal Batteries
Advisor(s): Krzysztof Matyjaszewski

Luke W. Monroe **
Determining Composition and Chemical Reactions of Particles in the Atmosphere Using Single Particle Instrumentation
Advisor(s): Ryan Sullivan

Stephen Joseph Schmidt **
Polymers and Functional Graphenic Materials to Remediate Heavy Metal Exposure and Toxicity
Advisor(s): Stefanie Sydlik

Rachel Smolinski
Trace Organic Contaminants in Residential Wastewater and Their Fate in Onsite Waster Water Treatment Systems: a Nontarget Analysis Approach to Micropollutant Identification
Advisor(s): Carrie McDonough

Megan Lee Van Horn **
Investigating Circular RNAs in Humans: Their Roles and Interactome in Parkinson's Disease Progression
Advisor(s): Anna Kietrys

Tong Wu *
Cooperativity of Redox-Active Ligand and Cu: Synthesis, Characterization and Reactivity of Mononuclear Cu Complexes
Advisor(s): Isaac Garcia-Bosch

Shan Xue **
Mechanistic and Spectroscopic Studies of Small Molecule Activating Enzymes and Biomimetic Model Complexes
Advisor(s): Yisong Guo

Shuming Zhang
Cu-promoted C-H Bond Hydroxylation: Drawing Inspiration from Cu-dependent Metalloenzymes
Advisor(s): Isaac Garcia Bosch

INTERDISCIPLINARY STUDIES

BACHELOR OF SCIENCE

General Studies

Clarisse Paige Brown
Minor: Social and Political History

MASTER OF SCIENCE

Data Analytics for Science

Joel Beltrán Gracia

Gayatri Chabra

Xinran Chen

Nitish Sathvik Chinta

James Phillip Daley

Joon Jung

Sungwon Lee

Karthikeya Manchala

Srinidhi Manikantan

Sarvesh Paradkar

Runru Shen

Heathvonn Herbert Styles

Ruiqian Tang

Sandeep Thazhamtharayil Selvarajan

Rohit Varanasy

Xiyi Wang

Yu Chuan Wang

Anqi Wu

Fangzhou Yuan

Jiangyue Zhu

MATHEMATICAL SCIENCES

BACHELOR OF ARTS

Mathematical Sciences

Sabrina Alvarez **
Minor: Animation and Special Effects

BACHELOR OF SCIENCE

Computational Finance

◆ Arjan Singh Bedi
Minor: Computer Science

◆ Yifu Cai
Additional Major: Statistics and Machine Learning

◇ Victoria Yike Han
Minor: Machine Learning

◆ Jason Huang
Minor: Computer Science

◇ Shiyun Qiu **
Minor: Statistics

◆ Srinivasan Venkatesan Sathiamurthy
Additional Major: Statistics and Machine Learning

◆ Ying Sun

◇ Haveesh Sarma Viswanatha

◆ Fenglin Wang **
Additional Major: Statistics and Machine Learning

◆ Hao Wang
Additional Major: Statistics and Machine Learning
Minor: Computer Science

◇ Yao Xiao
Minor: Computer Science

Mathematical Sciences

◇ Adam Bertelli

Andres Cherrett Burch **
Minor: Artificial Intelligence

◆ Puhua Cheng
Minor: Computer Science

◆ Seth Daniel Eisenberger

◇ Connor Gordon

Alisha Grover **

◇ Thomas Arellano Horstkamp

Hongyi Hu

◇ Benjamin Walker Ingimarson
Minor: Computational Finance

◇ Iris Jiang

◇ Joseph S.G. Kalarickal
Minor: Computer Science

Cindy Li

◆ Erik Liu **
Minor: Computer Science

◆ Ziqi Liu **
Additional Major: Computer Science

◇ Subhasish Mukherjee **

◆ Charles Salem Murphy
Minor: Computer Science

◆ David Rubin Rotunno
Minor: Statistics

Sainikitha Sagiraji **

Jonathan Alan Spivak **
Additional Major: Computer Science

◆ Shiyang Tian

◇ Xinyi Wang
Minor: Computational Finance

Yiqing Wang

◇ Braden Russell Yates

Mathematical Sciences - Computational and Applied Mathematics

Liqi Chai

◆ Angela Le Chen
Minor: Computer Science
Minor: Music Technology

Margaret Y. Chen
Minor: Computer Science

◈ Siran Chen

◆ Yifan Chen

Jiajun Han

Emma Elizabeth Hayes
Minor: Computer Science

◆ Dong Min Hwang
Additional Major: Statistics
and Machine Learning

Ananya Padma Iyer
Minor: Computer Science

Jaimie Minseo Lee
Minor: Computer Science

◆ Jia-En Lee
Minor: Computer Science
Minor: Game Design

◇ Jack Y. Liu
Minor: Computer Science

◆ Yixuan Liu
Additional Major: Computer Science

Noelle Thanh Mai Natasha Nguyen
Minor: Machine Learning

Maxwell Ajit Pendse
Minor: Computer Science

◆ Lang Qin
Minor: Computer Science

Minyi Ren
Minor: Statistics

Saatvik Krishna Singaraju
Minor: Computer Science

Tarun Trivedi **
Minor: Computer Science

◈ Alexander Yih-Shyang Wang
Additional Major: Computer Science

Max Avery White

Xiaoyu Xu
Additional Major: Computer Science
Minor: Computational Finance

◆ Yuqing Yang
Minor: Computer Science

◆ Daniel G. Zhou
Minor: Machine Learning
Minor: Physics
Minor: Statistics

Mathematical Sciences - Discrete Mathematics and Logic

Annie Grace Buckles
Minor: Photography

◆ Christopher Chi

Nicole Fang
Minor: Computer Science

◇ Nathaniel Scott Glover
Additional Major: Computer Science

◆ Yunseong Jung
Minor: Statistics

Andrew John Knowles
Minor: Game Design

◆ Nancy Kuang
Additional Major: Computer Science

Jaden Byron Lee **
Additional Major: Computer Science

Anthony Li

Seiya Matsumoto

◇ Advait Vineet Nene
Additional Major: Computer Science

◆ Sam Rosenstrauch
Additional Major: Computer Science

Veda Vaishnaavi Rajkumar Vakkada
Minor: Computer Science

◆ Sophia W. Yang

Mathematical Sciences - Operations Research and Statistics

Aarushi Aggarwal

◆ Jiayi Bao
Minor: Computer Science

◆ Saaniya Bhushan **

Raegan Lea Brinkman

◆ Yijing Chen
Minor: Computational Finance

Madison Guzman
Minor: Computer Science

◆ Songyu Han
Minor: Computer Science

Anna Ionescu
Minor: Computational Finance

◆ Dong Xia
Minor: Computational Finance

◆ Michelle Ying Zhu
Additional Major: Statistics
and Machine Learning
Minor: Computer Science

Mathematical Sciences - Statistics

◆ Rebecca Jeanne Derham
Additional Major: Statistics
and Machine Learning

◆ Oluwatosin Olajubu

◆ William Scott Vejcik

◆ Boning Xing
Additional Major: Artificial Intelligence
Minor: Machine Learning

◈ Siqi Zeng *
Minor: Computer Science
Minor: Machine Learning

MASTER OF SCIENCE

Algorithms, Combinatorics and Optimization

Heather Newman **

Mathematical Sciences

Adam Bertelli

Sam Dulin **

Nathaniel Scott Glover

Connor Gordon

Thomas Arellano Horstkamp

Joseph S.G. Kalarickal

Owen Milner **

Subhasish Mukherjee **

Advait Vineet Nene

Haveesh Sarma Viswanatha

Alexander Yih-Shyang Wang

Xinyi Wang

Braden Russell Yates

DOCTOR OF PHILOSOPHY

Ting-Wei Chao
Problems in Discrete Geometry, Incidence
Geometry, and Extremal Graph Theory
Advisor(s): Boris Bukh

Junichi Koganemaru *
Traveling Wave Solutions to the
Free Boundary Incompressible
Navier-Stokes Equations
Advisor(s): Ian Tice

Michail Sarantis
Independent Sets in Hypergraphs
and Related Problems
Advisor(s): Prasad Tetali

Anish Sevekari *
Beyond Worst-Case Analysis
of Various Algorithms
Advisor(s): Wesley Pegden

Benjamin J. Weber **
Principal-Agent Problems
for Market Making
Advisor(s): Martin Larsson

Felix Weilacher
Definable Combinatorics in Descriptive Set
Theory, Computability Theory, and Beyond
Advisor(s): Clinton Conley

Zoe A. Wellner
Colorful Equivariant Topological
Methods in Discrete Mathematics
Advisor(s): Florian Frick

Lantian Xu
On the Interacting Particle-Based Dynamic
for Sampling in High Dimensions
Advisor(s): Dejan Slepčev

Wentao Yang
On Successive Categoricity, Stability and
NIP in Abstract Elementary Classes
Advisor(s): Rami Grossberg

Yukun Yue *
Convergence Analysis of Numerical
Schemes for Liquid Crystals Based on the
Invariant Energy Quadratization Method
Advisor(s): Franziska Weber

Danlei Zhu **
Manifold Estimation from
Noisy Point Clouds
Advisor(s): Dejan Slepčev

PHYSICS

BACHELOR OF SCIENCE

Physics

◆ Seth Daniel Eisenberger

Yuyang Gao **

Jedidiah Boaz Luis Hernandez
Minor: Statistics

◇ Iris Jiang

◇ Farid Khuri-Makdisi
Additional Major: Literature and Culture

◇ Andrew Dean Kim

◇ Sophia Ariel Korono

◇ Michael Donald Murphy

◆ Ali Mehlam Shakir
Additional Major: Statistics

◇ Cole Aidan Skuse
Minor: Professional Writing

Teo Sohn
Minor: Computer Science

◇ Nikolai D. Stefanov
Additional Major: Computer Science

◆ Haorui Wang
Minor: Computer Science

Physics - Applied Physics Track

◇ Joshua Lou

Physics - Astrophysics Track

Alejandro Jose Arteaga
Minor: Computer Science

◇ Norris Saber Bach

◇ William Matheson Ballard
Minor: Computer Science

◇ Min Yeong Choi
Minor: Mathematical Sciences

◆ Johanna Carolyn Doyas
Minor: Japanese Studies

Jacob Michael Magallanes
Minor: Computer Science

◆ Ryan Jonathan Raikman
Minor: Machine Learning

Jayanth Krishna Tumuluri

Physics - Biological Physics Track

◆ Elizabeth Tiantian Wigington

Physics - Computational Physics Track

Matthew D. Alexander

◆ Holly Jane Foster

◇ Calvin J. Hoffman
Minor: Computer Science

Iman Jehanzeb **

Jonas Henrik Roemer
Minor: Computer Science

David Sanchez
Additional Major: Computer Science

Physics - Quantum Physics Track

◇ Jack Warren Nelson
Minor: Mathematical Sciences

MASTER OF SCIENCE

Physics

Ann-Marsha Alexis

Ariel Jacob Amsellem

Gina Chen

Junwon Choi

Lucas Fernandez Sarmiento

Seamus Finn Gallagher

Murman Gurgenidze

Yiqun Luo

Phu The Nguyen

Junzhe Zhou

Yihao Zhou

DOCTOR OF PHILOSOPHY

Zhaozhou An
Inferring the Complex Internal
Structure of Dwarf Galaxies
Advisor(s): Matthew Walker

Hao Chen *
Interactions and Fast Dynamics in
Magnetic Nanoparticles and Magnetic
Tunnel Junction Based Spintronics
Advisor(s): Sara Majetich

Nianyi Chen
Modeling of Galaxy and Massive Black
Hole Evolution Since Cosmic Dawn
Advisor(s): Tiziana Di Matteo

Yingzhang Chen
Two-Dimensional Shear Decomposition
as a Probe of Halo Properties
Advisor(s): Scott Dodelson

Yang Huang *
First-Principles Models and
Computation of Thermodynamic
Functions in Crystalline,
Quasicrystalline and Liquid Systems
Advisor(s): Michael Widom

I-Hsuan Kao
Electrical Control and Readout of
Magnetization Using Low-Symmetry
Topological Semimetals
Advisor(s): Simran Singh

Hao Li **
Baryon-Antibaryon Photoproduction
Off the Proton
Advisor(s): Reinhard Schumacher

Ryan Patrick Muzzio *
Photoemission on Two Dimensional
Heterostructures and Devices
Advisor(s): Jyoti Katoch

Shashin Padmanabhan Pavaskar *
Spontaneously Broken Spacetime
Symmetries and Many-Body Phenomena
Advisor(s): Ira Rothstein

Andresa Rodrigues De Campos **
Dark Energy Science from 100
Million Galaxies: AI-Driven Analysis
and Data-Intensive Techniques
for Cosmological Discovery
Advisor(s): Scott Dodelson

Vishnu Raghuraman
Development and Application of
First-Principles Methods to Study the
Properties of High Entropy Alloys
Advisor(s): Mike Widom

Tianqing Zhang *
Enabling the Weak Lensing Science
in the 2020s
Advisor(s): Rachel Mandelbaum

STUDENT-DEFINED MAJORS

BACHELOR OF SCIENCE

**Biomechanics and Applied
Physiology**

◆ Ryan Christian Nagle **

Biostatistics

Jessica Nicole Goldring

Studies in Discrete Mathematics

◆ Thomas Garrison

School of Computer Science

DEAN OF THE SCHOOL
Martial Hebert

DEAN OF CARNEGIE MELLON UNIVERSITY, QATAR
Michael A. Trick

RAY AND STEPHANIE LANE COMPUTATIONAL BIOLOGY DEPARTMENT
Russell Schwartz, Head of the Department

COMPUTER SCIENCE DEPARTMENT
Srinivasan Seshan, Head of the Department

HUMAN-COMPUTER INTERACTION INSTITUTE
Brad A. Myers, Director of the Institute

LANGUAGE TECHNOLOGIES INSTITUTE
Mona Diab, Director of the Institute

MACHINE LEARNING DEPARTMENT
Roni Rosenfeld, Head of the Department

ROBOTICS INSTITUTE
Matthew Johnson-Roberson, Director of the Institute

SOFTWARE AND SOCIETAL SYSTEMS DEPARTMENT
James D. Herbsleb, Director of the Department

STUDENT-DEFINED MAJORS
Thomas Cortina, Associate Dean for Undergraduate Programs

COMPUTATIONAL BIOLOGY

BACHELOR OF SCIENCE

Computational Biology

- ◆ Christos Alexopoulos
- ◆ Rianna Kayleigh Campbell
  Minor: Animation and Special Effects
- ◆ Nan Fang
  Minor: Business Administration
- ◆ Alyssa Lu Lee
- ◆ Sophie Liu
  Minor: SCS Concentration in Machine Learning
- ◆ Dave You Lu
  Minor: Biological Sciences
  Minor: Chemistry
- ◇ Alan Luo
- ◆ Sanjana Ravi
  Minor: SCS Concentration in Machine Learning
- ◇ Ruby Wallis Redlich
  Minor: Statistics
- ◆ Raehash Viral Shah
  Minor: Biomedical Engineering
  Minor: SCS Concentration in Machine Learning
- ◆ Max Chaim Shushkovsky
  Minor: Russian Studies

MASTER OF SCIENCE

Automated Science - Biological Experimentation

Sarah Imad Baalbaki
Yuan Chen
Dylan Jay Estep
Baole Fang
Tzu-Huan Hsu
Akash Kishore
Shuoqiu Li

Tanxin Qiao
Caroline Jennifer Springer
Shiqiu Yu
Tianyue Zhang

Computational Biology - Advanced Study

Santosh Venkatraman Bhavani **
Mostofa Rafid Uddin

DOCTOR OF PHILOSOPHY

Haoran Chen **
Learning Complex Spatial Relationships from Tissue and Cell Images
Advisor(s): Robert F. Murphy

Dongshunyi Li *
Spatio-Temporal Analysis of Single Cell Data
Advisor(s): Ziv Bar-Joseph

Mihir Mongia *
Principled Methods to Process Massive Datasets in Metabolomics
Advisor(s): Hosein Mohimani

BaDoi Nguyen Phan **
Conserved Mammalian Cell Types and Epigenomics of the Striatum and Cortex to Identify Targets and Consequences of Addiction Genetic Risk Variants
Advisor(s): Andreas Pfenning

Yutong Qiu *
Algorithmic Foundations of Genome Graph Construction and Comparison
Advisor(s): Carl Kingsford

Yihang Shen
Automated Hyper-Parameter Tuning and Its Applications in Computational Biology
Advisor(s): Carl Kingsford

Qiao Su
Investigating the Role of DNA Damage in Aging and Neurodegeneration
Advisor(s): Andreas Pfenning

Huangqingbo Sun
Explorations of Spatial Cellular Patterns at Proteomic Level
Advisor(s): Robert F. Murphy

Jun Ho Yoon
Decomposable Probabilistic Models for Networks in Biology
Advisor(s): Seyoung Kim

COMPUTER SCIENCE

BACHELOR OF SCIENCE

Computer Science

Abdelrahman Ahmed Hussein Abdelnaby
Minor: Neural Computation

Devang Acharya
Minor: SCS Concentration in Computer Systems

Martin Ackermann
Minor: SCS Concentration in Human-Computer Interaction

- ◆ Juhi Agrawal **
  Minor: SCS Concentration in Principles of Programming Languages
- ◆ Khalid Al-Haroon **
  Minor: Tech Entrepreneurship

Yousef Abduljabbar Al-Saigh

Yosef Ali S. Alsuhaibani
Minor: SCS Concentration in Principles of Programming Languages

Dana Mohammed Al-Yafei

- ◆ Temoor Ali
  Minor: SCS Concentration in Computer Systems

Omar Mohammedmajed Alqarahdaghi **
Minor: Information Systems

Dolev Artzi
Minor: SCS Concentration in Algorithms & Complexity

◆ Alexis Marie Axon
Minor: SCS Concentration in
Software Engineering

Thomas Emmett Baisley
Minor: Physics
Minor: SCS Concentration in
Algorithms & Complexity

Rohini Banerjee
Minor: Statistics

Joon Bang
Minor: SCS Concentration in
Software Engineering

◆ Aksara Bayyapu
Minor: SCS Concentration in
Human-Computer Interaction

◆ Pratik Bharadwaj
Minor: SCS Concentration
in Computer Systems

◆ Abhishek Bhargava *
Minor: Computational Finance

Muhammad Boughoula
Minor: Mathematical Sciences

Benjamin L. Cagan
Minor: Japanese Studies
Minor: SCS Concentration
in Computer Graphics

◆ Kefan Cao
Additional Major: Computational Biology

◆ Qiyou Chang

◆ Sarah Chen
Minor: Science, Technology and Society

◆ Zhuofan Chen
Minor: Physics

◆ Amy Cheng
Minor: SCS Concentration
in Computer Systems

◆ Hongzhe Cheng **

◆ Tarun Chiruvolu
Minor: Mathematical Sciences
Minor: SCS Concentration
in Machine Learning

◆ Cameron Chiu
Minor: Intelligent Environments

◆ Jonathan Chiu
Minor: SCS Concentration in
Algorithms & Complexity
Minor: SCS Concentration
in Computer Systems

Jennifer Chiaohsin Chou **
Minor: Sociology

◆ Nicholas Artie John Clark
Minor: SCS Concentration
in Computer Systems
Minor: SCS Concentration in
Software Engineering

◆ Christopher Thomas Crawford
Minor: Chinese Studies
Minor: Linguistics

Olivia Cwik
Additional Major: Philosophy

◆ Jessica Dai
Minor: SCS Concentration
in Security & Privacy
Minor: Science, Technology and Society

◆ Archan Das
Minor: Innovation and Entrepreneurship

Michelle Deng
Minor: Creative Writing

◆ Demetre Devidze
Minor: Professional Writing
Minor: SCS Concentration
in Security & Privacy

Ayush Dewan **
Minor: Mathematical Sciences

◆ Kripa Maruti Dharan
Minor: SCS Concentration
in Machine Learning

Jade Claudia Diaz
Minor: Business Administration

◆ Derek Scott Duenas **
Minor: Mathematical Sciences

David F. Durdaller
Minor: SCS Concentration
in Security & Privacy

◆ Russell Reid Emerine
Minor: Linguistics
Minor: Mathematical Sciences

◆ Stephanie Tara Eristoff **
Minor: SCS Concentration in
Computational Biology

◆ David Zelong Fan **

◆ Eric Fan

◆ Ahmed El Fekih Zguir

◆ Aimee Feng
Minor: SCS Concentration
in Computer Systems
Minor: SCS Concentration
in Security & Privacy

◆ Terry Yongming Feng **

◆ Ying Feng **
Minor: SCS Concentration in
Algorithms & Complexity

◆ Katrina Cabel Florendo **
Minor: SCS Concentration in
Human-Computer Interaction

◆ Meera Ganesan **
Minor: SCS Concentration
in Machine Learning

◆ Erin Gao

◆ Priyanshi Garg
Minor: Russian Studies
Minor: SCS Concentration
in Machine Learning

Semawit Yohannes Gebrehiwot **

◆ Rajeev R. Godse
Minor: Mathematical Sciences
Minor: SCS Concentration in
Algorithms & Complexity

Neha Goel **
Minor: Computational Finance

Jordi Eduardo Gonzalez **
Minor: Cybersecurity and
International Conflict

◆ Vaishnavi Gorantla **
Minor: SCS Concentration
in Machine Learning

◆ Nicholas Grill
Minor: Mathematical Sciences
Minor: SCS Concentration
in Machine Learning

Stephanie Guan **
Minor: SCS Concentration in
Human-Computer Interaction

◇ Kaajal Gupta
Minor: SCS Concentration
in Computer Systems

Raghav Gupta
Minor: SCS Concentration
in Computer Systems

◆ Madeleine Kayla Hagar
Minor: Mathematical Sciences

◆ Anna He
Minor: SCS Concentration
in Machine Learning

Katherine He **
Minor: Business Administration

◆ Damian Ho
Minor: SCS Concentration
in Computer Systems

◆ Joyce Claire Hong
Minor: Business Administration
Minor: SCS Concentration
in Computer Systems

Erica Yann-Hsin Hsu
Minor: SCS Concentration in
Human-Computer Interaction

◆ Jiewen Hu
Additional Major: Mathematical Sciences
Minor: Statistics

◆ Yuqiao Hu
Minor: Music Technology

◆ Immanuel Huang
Minor: SCS Concentration
in Computer Systems

◆ Keren Ken Huang **
Minor: Mathematical Sciences

◆ Sirui Huang

◆ Nicholas Appelboom Hungria
Minor: SCS Concentration
in Computer Systems

Heba Hussein

◆ Moamin Elmotaz Khalafalla Ibrahim
Minor: Mathematical Sciences

◆ Sanah Salim Imani
Minor: Mathematical Sciences
Minor: SCS Concentration
in Computer Systems

Max L. Jiam **
Minor: SCS Concentration
in Machine Learning

◆ Henry Hyesung Jung **
Minor: SCS Concentration
in Computer Systems

Adi F. Kambhampaty
Minor: Mathematical Sciences

◆ Adhvik Kanagala
Minor: SCS Concentration
in Computer Systems

Mohammad Nasimu Haque Khan

Frank Tae Hyun Kim
Minor: Mathematical Sciences

◆ Hyun Jin Kim **
Minor: Physics

Seonghun Kim

◆ Kai Yen Amanda Koh
Minor: Engineering Studies

◆ Megna B. Kokkalera
Minor: Business Administration

Caitlin Margaret Kolb
Minor: Business Administration

◆ Caleb Koo
Minor: Chemistry

Shobiitaa Krishna
Minor: Professional Writing

Srisaidhruti Kuchibhotla
Minor: SCS Concentration
in Computer Systems

◆ Mindee Isabelle Lai **
Minor: Physics

◆ Xinyue Lai **
Minor: SCS Concentration
in Machine Learning

◆ Darren Lee
Minor: Engineering Studies

◆ Soo Hyun Lee **
Minor: Film and Media Studies
Minor: Game Design
Minor: SCS Concentration
in Computer Graphics

Victoria Lee
Minor: Business Administration
Minor: SCS Concentration
in Machine Learning

◆ Wonjung Lee
Minor: SCS Concentration in Robotics

◆ Abigail Li
Minor: SCS Concentration
in Machine Learning

◆ Christina Karen Li **
Minor: SCS Concentration in
Human-Computer Interaction

◆ Michelle Li **
Minor: Business Administration

◆ Mingkang Li
Minor: SCS Concentration
in Computer Systems

◆ Runming Li **
Minor: SCS Concentration in Principles
of Programming Languages

◆ Owen Li
Additional Major: Mathematical Sciences
(Discrete Mathematics and Logic)

◆ Xin Yue Amanda Li **
Minor: SCS Concentration in
Human-Computer Interaction

◆ Theodore Liang
Minor: SCS Concentration
in Computer Systems
Minor: SCS Concentration in
Software Engineering

◆ Yuchen Liang
Minor: Music Theory
Minor: SCS Concentration
in Computer Systems

◆ Tongzhou Liao
Minor: Ethics

◆ Ai-Wen Joy Lim
Minor: Mathematical Sciences

◆ Amy Lin
Minor: SCS Concentration
in Machine Learning

◆ Fernando de Souza Lisboa **
Minor: SCS Concentration
in Computer Systems

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Minor: Computational Finance

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Minor: Mathematical Sciences
Minor: SCS Concentration in
Algorithms & Complexity
Minor: SCS Concentration
in Computer Systems

◆ Stephanie Liu
Minor: SCS Concentration in
Human-Computer Interaction

Mohamed Said Lotfi
Minor: SCS Concentration in Principles
of Programming Languages

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Minor: SCS Concentration
in Computer Graphics

◆ Xinyi Lu
Minor: Mathematical Sciences
Minor: SCS Concentration
in Computer Systems

Maxine Lui
Minor: Innovation and Entrepreneurship

◆ Sachit Lumba
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in Computer Systems

◆ David J. Luo **
Minor: SCS Concentration
in Machine Learning

◆ Yichuan Luo

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Minor: Film and Media Studies

◆ Meher Mankikar **
Minor: SCS Concentration
in Computer Systems
Minor: SCS Concentration
in Machine Learning

◆ Joshua Peter Marucheck
Minor: Japanese Studies

Andres Alarcon Mason
Minor: SCS Concentration in
Human-Computer Interaction

Audrey Elizabeth May
Minor: Discrete Mathematics and Logic

Gabriel Antonio Medina-Jaudes
Minor: SCS Concentration in
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◆ Sanjana Meduri
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Hao Mei
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Ivan A. Minno
Minor: Creative Writing

◆ Carlos Adolfo Montemayor
Minor: SCS Concentration
in Computer Systems

Hyungju Moon **
Minor: Japanese Studies

Keerti K. Mukkamala
Minor: SCS Concentration in
Human-Computer Interaction

Daniela Munoz

Trent John Muskens
Minor: Engineering Studies

Avantika Naik
Minor: Innovation and Entrepreneurship

◆ Bharat Narayanasamy
Minor: Mathematical Sciences
Minor: SCS Concentration
in Computer Systems

◇ Daniel Zhi-Kai Ng
Minor: SCS Concentration in Principles
of Programming Languages

Karthik Venkat Nukala
Minor: SCS Concentration in Principles
of Programming Languages

◆ Eric Hyunseo Oh
Additional Major: Mathematical Sciences

Gbenuola Ikenna Nehemiah Olaiya
Minor: Statistics

◆ Umut Olmez
Minor: Music Theory

Beka Onezashvili

◆ Benjamin P. Owad
Minor: SCS Concentration
in Computer Systems

◆ Andrei-Horia Pacurar
Minor: SCS Concentration
in Computer Systems

◆ Antara Pal **
Minor: SCS Concentration
in Machine Learning

Kristian Charlemagne Parker *
Minor: Physics

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Minor: SCS Concentration
in Machine Learning

Sara Ann Patel
Minor: SCS Concentration
in Security & Privacy

◆ Antara Sudhir Pattar **
Minor: Mathematical Sciences

◆ Adittyo Paul
Minor: Statistics

Shuyu Peng
Additional Major: Mathematical Sciences

◆ Katherine Anne Petersen
Minor: Neuroscience

Charles Gerhardt Phillips
Minor: SCS Concentration
in Computer Systems

Prakruthi Pradeep **
Minor: SCS Concentration
in Machine Learning
Minor: Statistics

◆ Xintong Qi
Additional Major: Mathematical Sciences
(Computational and Applied Mathematics)
Minor: Computational Finance
Minor: Psychology

◆ Shreya Kadambi Raghuram
Minor: Psychology

◆ Sibhy Rajesh **
Minor: SCS Concentration in
Software Engineering

Isabella Lauren Rhee
Minor: SCS Concentration in
Human-Computer Interaction

◆ Scott Routledge
Minor: SCS Concentration
in Machine Learning

◆ Samuel Michael Sampey
Minor: Mathematical Sciences

◆ Carina Zavala Sanborn
Minor: Business Administration
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Software Engineering

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Minor: Mathematical Sciences

◆ Ulan Seitkaliyev
Minor: Mathematical Sciences

Danny Sepulveda
Minor: Business Administration

◆ Gulnaz Nazarbekkyzy Serikbay
Minor: Neural Computation

◆ Chenrui Shao

David Boxiang Shao
Minor: Computational Finance

◆ Phyllis Shen
Minor: Mathematical Sciences

◆ Mengrou Shou
Additional Major: Statistics

Sonya Alex Simkin
Minor: SCS Concentration in Principles
of Programming Languages

Aidan David Smith
Minor: Mathematical Sciences
Minor: SCS Concentration in
Algorithms & Complexity
Minor: SCS Concentration
in Computer Systems

◆ Brandon Daniel Sommerfeld
Minor: Mathematical Sciences

◆ Emily Mina Song
Minor: Computational Finance

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Software Engineering

◇ Yueqi Song
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◆ Autumn Theresa Soukup **
Minor: Psychology

◆ Carson Jeffrey Stuart
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in Machine Learning
Minor: SCS Concentration in
Software Engineering

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in Machine Learning

Rama Marwan Sulaiman
Minor: Neural Computation

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in Computer Systems

◆ Ying Sun
Minor: Statistics

◆ Aditya Raghav Sundaram
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Algorithms & Complexity

Deepti Sunkara
Minor: SCS Concentration in
Human-Computer Interaction

◆ Diram Tamer Nadim Tabaa
Minor: Mathematical Sciences

◆ Xuan Tang
Minor: SCS Concentration
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Minor: Economics
Minor: SCS Concentration in
Algorithms & Complexity

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Minor: SCS Concentration
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Minor: SCS Concentration in
Software Engineering

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Minor: Social and Political History

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Minor: SCS Concentration
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Minor: SCS Concentration
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Lorianna N. Vanderveen
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Computational Biology

◆ Khushi Wadhwa
Minor: Innovation and Entrepreneurship

◆ Andrew Zijian Wang
Additional Major: Artificial Intelligence

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Minor: SCS Concentration
in Machine Learning

◆ Jiayi Wang

◆ Jingwei Wang
Minor: SCS Concentration
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◆ John Robert Wang
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◆ Sidney Jing Wang
Minor: SCS Concentration in Robotics

◆ Xinyi Wang

◆ Yuzhou Wang
Minor: SCS Concentration
in Machine Learning

◆ Wewage Anuda Nethum Dep
    Weerasinghe
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◆ Eric Lee Wei
Minor: SCS Concentration in
Algorithms & Complexity

◆ Rachel Wei **
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in Machine Learning

Matthew Joseph Whalen
Minor: SCS Concentration in
Human-Computer Interaction

Henry Wiese **
Minor: SCS Concentration in Robotics

◆ Jonathan Tiberius Wilson
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in Computer Systems
Minor: SCS Concentration in Principles
of Programming Languages

◆ Rachel B. Wilson
Minor: Hispanic Studies

◆ David Sun Wu

◆ Fanyue Xia **
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Grace Xin
Minor: SCS Concentration in
Software Engineering

◆ Ashley Shishi Xing
Minor: SCS Concentration
in Computer Systems

◆ Ruijia Xing
Minor: SCS Concentration
in Machine Learning
Minor: SCS Concentration in Robotics

◆ Sicheng Xing
Minor: SCS Concentration
in Computer Systems

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Minor: Mathematical Sciences

Ruidi Xu
Minor: Animation and Special Effects

◆ Zhijie Xu
Minor: SCS Concentration
in Machine Learning

◆ Breanna Yang
Minor: Computational Finance

◆ Helena Yang
Minor: Animation and Special Effects
Minor: SCS Concentration
in Computer Graphics
Minor: SCS Concentration
in Computer Systems

◇ Shengchao Yang
Minor: Business Administration
Minor: Computational Finance
Minor: SCS Concentration in Principles
of Programming Languages

◆ Ziqi Yang
Minor: Mathematical Sciences

◆ Laura Jia Yao **
Minor: SCS Concentration in
Language Technologies

◆ Yuan (Christina) Yao
Additional Major: Mathematical Sciences
- Discrete Mathematics and Logic

Yi Sijun Cathy
Minor: SCS Concentration in
Human-Computer Interaction

◆ Angus Koon Yan Yiu
Minor: SCS Concentration
in Computer Systems

◆ Justin Yoo
Additional Major: Statistics
and Machine Learning
Minor: SCS Concentration
in Computer Systems

◆ Joshua Byung-Ho Yoon
Minor: Music

◇ Tony Yu
Minor: SCS Concentration
in Computer Systems

◆ Yunqing Yu
Minor: SCS Concentration
in Computer Systems

Muhammad Yusuf *
Minor: Professional Writing

◆ Sophia Anne Zalewski
Minor: SCS Concentration
in Machine Learning

◆ Gabriel Joseph Zaragoza
Minor: SCS Concentration in Robotics

◆ Winston Zha

◆ Ruijie Zhai
Additional Major: Mathematical Sciences
- Computational and Applied Mathematics

◆ Richard Zhan
Minor: SCS Concentration
in Computer Systems

◆ Emily X. Zhang **
Minor: SCS Concentration
in Computer Systems

◆ Jimmy Lee Zhang
Minor: Business Administration
Minor: SCS Concentration
in Computer Systems
Minor: SCS Concentration
in Machine Learning

◆ Junyi Zhang
Additional Major: Mathematical Sciences
- Computational and Applied Mathematics

◆ Michael Zhang
Minor: Mathematical Sciences

◆ Yicheng Zhang
Minor: SCS Concentration
in Computer Systems

◆ Andrew Haoning Zhao
Minor: SCS Concentration
in Computer Graphics

◆ George Zhou
Additional Major: Mathematical Sciences
- Discrete Mathematics and Logic

◆ Joshua Jaqi Zhou
Minor: Business Administration

◆ Alan Cheng Zhu
Additional Major: Statistics -
Mathematical Sciences Track

◆ Michelle Yan Zhu **
Minor: SCS Concentration
in Computer Systems
Minor: SCS Concentration
in Machine Learning

◆ Jackson Zou
Minor: SCS Concentration
in Computer Systems

MASTER OF SCIENCE

Computer Science

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Mayank Baranwal **

Anuvind Bhat **

Ruixi Cai **

Theodore Chapuis-Chkaiban **

Leihao Chen **

Arham Chopra **

Arnhav Datar **

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Jiayue Guo **

Chenxi He **

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Xinyue Lin **

Chi-Fan Lo **

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João Vitor Dias Monteiro **

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David Noursi

Soobeen Park **

Ruben Solomon Partono **

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Yunzhou Yan **

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Chi Zhang **

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Computer Science - Foundational Studies

Chao Qi Li

Computer Science - Research

Jay Bosamiya *

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Computer Science - Research Thesis

Hanyu Chen

Saransh Chopra

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Mihir Milind Dhamankar

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Yiyang Guo *

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Zixin Hu

Meghna Arun Iyengar **

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Yusuf Bin Saquib *

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Ziwen Ye *

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DOCTOR OF PHILOSOPHY

Daniel Liam Anderson *
Parallel Batch-Dynamic Algorithms
Dynamic Trees, Graphs and Self-
Adjusting Computation
Advisor(s): Guy Blelloch

Jay Bosamiya
A Principled Approach Towards
Unapologetic Security
Advisor(s): Bryan Parno

Matthew Erich Butrovich
On Embedding Database Management
System Logic in Operating Systems via
Restricted Programming Environments
Advisor(s): Andy Pavlo

Bailey Flanigan
Supporting Deliberative
Minipublics Through Computer
Science and Social Science
Advisor(s): Ariel Procaccia, Nihar Shah

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Evolving Intrinsic Triangulations
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Isaac Bloomfield Grosof *
Optimal Scheduling in Multiserver Queues
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Yue (Sophie) Guo
Enhancing Policy Transfer in Action
Advising for Reinforcement Learning
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Quang Minh Hoang **
Practical Methods for Automated
Algorithm Design in Machine Learning
and Computational Biology
Advisor(s): Carl Kingsford

Steven Jecmen
Making Peer Review Robust
to Undesirable Behavior
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Byungsoo Jeon
Automated and Portable
Machine Learning System
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Interactive Machine Learning
from Humans: Knowledge
Sharing via Mutual Feedback
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Formally Verifying Algorithms for
Real Quantifier Elimination
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A Theory of Composition for Proofs of Knowledge
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Scalable and Trustworthy Learning in Heterogeneous Networks
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A Cost-Aware Logical Framework
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Hypergraph Rank and Expansion
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Adjoint Logic with Applications
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On the Alignment, Robustness, and Generalizability of Multimodal Learning
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Total Correctness Type Refinements for Communicating Processes
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General Techniques for Efficient Concurrent Data Structures
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Setup Times in Multiserver Systems
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What Can Cryptography Do for Transaction Fee Mechanism Design?
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Taisuke Yasuda
Algorithms for Matrix Approximation: Sketching, Sampling, and Sparse Optimization
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Han Zhang *
Secure and Practical Splitting of IoT Device Functionalities
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Designing and Analyzing Machine Learning Algorithms in the Presence of Strategic Behavior
Advisor(s): Vincent Conitzer

Giulio Zhe Zhou
Building Reliable and Transparent Machine Learning Systems Using Structured Intermediate Representations
Advisor(s): David Andersen

HUMAN-COMPUTER INTERACTION

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Human-Computer Interaction

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Minor: Psychology

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Minor: Business Analytics and Optimization

Serena Morgan Wecker

MASTER OF EDUCATIONAL TECHNOLOGY AND APPLIED LEARNING SCIENCES

Educational Technology and Applied Learning Sciences

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Xiaolin Ni **

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Kyle Reto **

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Yue Wang **

Siyun Wen

Muzhe Wu

Yimiao Wu **

Ruiwei Xiao

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Wei Yao

Mengzhe Ye **

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Lanning Zhang **

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Human-Computer Interaction

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Mikayla Alsopp

Zaynab At-Taras

Nava Babaei

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Yutong Chen

Zhiyuan Chen

Claire Cheong

Vaidehi Nitin Chotai

Justine Chou

Junghyun Choy

Jennifer Davis

Sophie Davis

Nazm Furniturewala

Tasmia Haq

Qiyu Hu

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Monica Kawade

Kyle Kawakami

Christof Kopera

Jadon Paul Lam

Sze Ngo Lee

Dorothy May Li **

Ruijun Li

Kai Xiang Lin

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Savani Prashant Mengawade

Emily Miller

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Vicky C. Sun

Ziyan Tan

Yueer Tang **

Hnin Lei Lei Tun

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Ankitha Vasudev **

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Ziyue Wang

Tyler Michael Webster

Laura Wei

Zixiong Wei

Joshua Winfrey

Yiwen Xu

Tzu-Ling Yang

Iris Yip **

Sophia Yonus

Lisa Yu Li

MASTER OF SCIENCE

Human-Computer Interaction

Adinawa Dessoi Minse Ablawa
 Adjagbodjou

Alicia Christine DeVrio *

Lisa Nkonye Egede

Anna Michelle Fang

Jianzhe Gu **

Noor Iyad Hammad

Katelyn C. Morrison **

Jaemarie Solyst

Kimi Vidya Wenzel **

Kexin Yang

Nur Yildirim **

DOCTOR OF PHILOSOPHY

Karan Ahuja *
Enabling Practical and Rich
User Digitization
Advisor(s): Mayank Goel, Chris Harrison

Ángel Alexander Cabrera
Behavior-Driven AI Development
Advisor(s): Jason I. Hong, Adam Perer

Vikram Kamath Cannanure *
DIA: Supporting Teacher
Professional Development in
Low Infrastructure Settings
Advisor(s): Timothy Brown, Amy Ogan

Prerna Chikersal **
Multimodal Behavioral Sensing for
Precision Mental Health Care
Advisor(s): Anind Dey, Mayank Goel

Judeth Oden Choi *
Networked Movements Through
the Dramaturgical Lens
Advisor(s): Jessica Hammer

Tianshi Li *
Privacy Annotations: Designing
Privacy Support for Developers
Advisor(s): Jason Hong

Michael Xieyang Liu *
Tool Support for Knowledge
Foraging, Structuring and Transfer
During Online Sensemaking
Advisor(s): Aniket Kittur, Brad A. Myers

Huy Anh Nguyen
Addressing the Gender Gap in
Middle School Math Education
Through Digital Learning Games
Advisor(s): Bruce McLaren, John Stamper

Alexandria Katarina Vail **
Multimodal and Social Modeling of
Client-Therapist Interaction
Advisor(s): Louis-Philippe Morency

Stephanie Valencia Valencia *
Agency in Augmentative and
Alternative Communication (AAC)
Advisor(s): Henny Admoni,
Jeffrey P. Bigham

INTERDISCIPLINARY STUDIES

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Artificial Intelligence

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Minor: SCS Concentration
in Machine Learning

Mary Rose Carney

◆ Sean Kiernan Collier

◆ Luke Andre Darcy

◆ Simrit Kaur Dhanjal
Minor: Computational Finance

◆ Alexander John Garbuio Ellis
Minor: SCS Concentration in
Computational Biology

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Minor: Business Administration

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Sana Kaur Gill **

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◆ Shreeya Raj Khurana **

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◆ Jiatai Li **
Additional Major: Psychology

◆ Ruth Yuebin Lin

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Minor: Statistics

Nathaniel Julian Marquez **

◆ Lin Mo

◇ Raashi Mohan
Additional Major: Computer Science

◆ Shravya Nandyala
Additional Major: Russian Studies
Minor: Film and Media Studies

Nathan Amon Neequaye

◆ Andrew Junhee Park
Minor: SCS Concentration
in Security & Privacy

Unn Seo Park

◆ Deep Patel **

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Minor: Statistics

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- Discrete Mathematics and Logic

◆ Vianna Hong Seifi
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Additional Major: Mathematical Sciences
- Computational and Applied Mathematics
Minor: Statistics

Harini Sundaram

◆ David Tang
Additional Major: Mathematical Sciences

◆ Thor Callan Truelson

Zachary Wynton Trujillo Golden

◆ Bao Ngoc Joyce Truong

◆ Kathryn Wang

Stephanie Wang *

Timothy Alton Furey Ward

◆ Austin Taylor Weltz
Minor: Mathematical Sciences

◆ Alex Tianyi Xu

◆ Samuel Yu

◆ Yichen Zhang

◇ Feiyu Zhu
Additional Major: Cognitive Science

LANGUAGE TECHNOLOGIES

MASTER OF COMPUTATIONAL DATA SCIENCE

Computational Data Science

Eshani Agrawal **

Harshith Arun Kumar

Murphy Austin **

Priya Bagaria **

Aditya Bansal **

Siddharth Basu **

Shreyas Belur Sampath **

Aprameya Muralidhara Bharadwaj **

Robin Chang-Hyun Bhoo

Shijie Bian **

Rohan Bolusani **

Hangrui Cao

Liyan Chang **

Hsuan-Ming Chen **

Xumeng Chen

Yizhou Chen **

Jungyoon Yooni Choi

Anurag Choudhary **

Chantal D. Gama Rose **

Aidan Doyle

Akhil Eppa **
Evan Isaac Fellman
Jiahe Feng **
Xingjian Gao **
Razik Singh Grewal **
Xinyu Gu **
Tanay Gummadi **
Garvit Gupta **
Po-Yu Huang **
Sukriti Jaitly **
Churong Ji
Xinyi Jiang **
Vrinda Jindal **
Zhi Jing **
Ran Ju **
Anusha Kamath **
Aditi Kanaujia **
Anirudh Kannan **
Arnav Kapoor **
Tanvi Karandikar **
Greeshma Radhakrishna Karanth **
Guoyao Li **
Mian Li **
Tianjun Li
Sheng Yong Christopher Lim **
Chien-Yu Liu
Guozi Liu **
Haiying Liu **
Kai-Wei Liu **
Zhifu Liu
Aaron Michael Lohner
Durvesh Vilas Malpure **
Pratik Mandlecha **
Arjun Manjunatha Rao **
Peter Meyers
Niveditha Minnoor **
Sanjana Moudgalya **
Ruiqi Pan **
Yu Pan
Jay Amitkumar Patel **
Dazhi Peng
Yar Khine Phyo **
Mitali Potnis **
Haoyu Qi
Yiyang Qiu
Yuqing Qiu **
R Raghav **
Parth Rajwade
Sathyanarayanan Ramamoorthy
Aninditha Ramesh **
Namrata Ramesh **
Anusha Santhosh Kumar Rao **
Ninaad Raghur Rao **
Jason Matthew Rauchwerk **
Somansh Reddy Satish **
Tanay Arpit Shah **
Mengjie Shen **

Amanda Manyi Shu **
Ashish Shugani **
Pragnya Sridhar **
Srikumar Subramanian **
Jialu Sui
Naveen Suresh **
Himanshu Thakur **
Midhush Manohar Thevendria Karthic **
Onkar Thorat **
Suryaa Veerabathiran Seran **
Kaipeng Wang
Ting-Chun Wang **
Yifeng Wang
Yuchen Wang **
Yujia Wang **
Yuran Wang
Zaitian Wang
Zhirui Wang
Yifei Wei **
Ziqi Wen
Bradley Lane Whitehall Jr.
Yen-Ju Wu
Yiduo Yu **
Leon Julius Zamel **
Xiaoyu Zhang **
Xinyu Zhang *
Xuejun Zhang **
Jiayin Zheng **
Aolei Zhou **

MASTER OF SCIENCE

Artificial Intelligence and Innovation

Aishwarya Agrawal
Krisha Sandeep Bhambani
Tanya Bhatnagar
Wenqing Cao
Noel Christopher DSouza
Adhya Dagar
Ritu Sanjay Gala
Saumya Sandipkumar Gandhi
Marlies Dorothea Goes
Asmita Hajra
Daniel Hoskins
Pavitra Kadiyala
Sayali Gopal Kandarkar
Jonah Benjamin Kornberg
Rucha Manoj Kulkarni
Yu-Cheng Lin
Juanyun Mai
Harshit Mehrotra
Ameya Arvind Morbale
Vinay Premchandran Nair
Karthik Natarajan
Odemuno Prudence Ogelohwohor

Sharang Pai
Saloni Puran Parekh
Boyi Qian
Meghana Arakkal Rajeev
Jeel Dharmeshkumar Shah
Bhavuk Sharma **
Danyating Shen
Jiasheng Sheng
Eesha Karunakar Shetty
Advaith Sridhar
Harini Subramanyan
Moulya Sudhir
Kedi Xu
Bohao Zhang
Yiwen Zhang

Intelligent Information Systems

Shikhar Agnihotri **
Yash Parag Butala **
Winnie Chang **
Yi-Hui (Sophia) Chou **
Srinivas Gowriraj **
Yifan He
Chia-Chun Hsieh **
Chenzhun Huang **
Anubha Kabra **
Raghav Kapoor **
Tinglong Liao **
Guanzhong Liu **
Xinyu Lu **
Yash Mathur **
Sanketh Rangreji **
Aditya Rathod **
Jiyang Tang **
Soham Dinesh Tiwari **
Navaneethan Vaikunthan **
Haozhe Zhang **
Sharon (Wenxin) Zhang **
Ziang Zhou **

Intelligent Information Systems - Advanced Study

Zhengyang Qi
Ruiyi Wang
Haofei Yu
Tinglong Zhu

Language Technologies

Hwijeen Ahn
Santiago John Benoit
Dan Berrebbi *
Amanda Lynn Bertsch *
Sean Chang
William Chen
Xiwen Chen **
Yanlin Feng *
Sireesh K. Gururaja *

Taiqi He *

Zhao Jin

Atharva Kulkarni

Liangze Li

Leena Mathur

Atharva Naik

Atieno Perez Ogayo *

Jiefu Ou *

Nathaniel Romney Robinson *

Jiaxin Shi

Jimin Sun *

Rosanna Maria Vitiello *

Zhiruo Wang *

Chen Wu *

Shih-Lun Wu

Yuwei Wu *

Language Technologies - Integrated Study

Alex Xie

DOCTOR OF PHILOSOPHY

Vidhisha Balachandran
*Designing Transparent and
Factual Text Generation Systems
Grounded in Language Structure
Advisor(s): Yulia Tsvetkov*

Ta-Chung Chi
*Toward Length-Extrapolatable
Transformers
Advisor(s): Alexander Rudnicky*

James Michael Fiacco
*Functional Components as a Paradigm
for Neural Model Explainability
Advisor(s): Carolyn Rose*

Prakhar Gupta *
*Improving Reliability in Dialogue Systems
Advisor(s): Jeffrey Bigham*

Kundan Krishna
*Improving the Reliability of Language
Models for Summarization
Advisor(s): Jeffrey P. Bigham,
Zachary C. Lipton*

Sachin Kumar **
*Optimization Methods for Modeling
Diversity in Language Technologies
Advisor(s): Yulia Tsvetkov*

Juncheng Li *
*Towards Robust Large-Scale
Audio/Visual Learning
Advisor(s): Florian Metze*

Xinjian Li *
*Low-Resource Speech Recognition
for Thousands of Languages
Advisor(s): Alan W. Black, Shinji Watanabe*

Kaixin Ma **
*Hybrid Knowledge Architectures
for Question Answering
Advisor(s): Eric Nyberg*

Aman Madaan
*Enhancing Language Models
with Structured Reasoning
Advisor(s): Yiming Yang*

Salvador Bedredin Medina Maza **
*Talking Us into the Metaverse:
Towards Realistic Streaming
Speech-to-Face Animation
Advisor(s): Alexander Hauptmann*

Sanket Vaibhav Mehta **
*Efficient Lifelong Learning in Deep
Neural Networks: Optimizing
Architecture, Training and Data
Advisor(s): Emma Strubell*

Raphael Olivier *
*Assessing and Enhancing Adversarial
Robustness in Context and
Applications to Speech Security
Advisor(s): Bhiksha Raj*

Daniel Spokoyny
*Weak Supervision and Numerical
Commonsense for Modeling
Climate-Related Text Documents
Advisor(s): Taylor Berg-Kirkpatrick*

Nikita Srivatsan
*Leveraging Structure and
Content for Language-Adjacent
Representation Learning
Advisor(s): Taylor-Berg Kirkpatrick*

Törsten Wortwein **
*Towards Improving Transparency
in Multimodal Affect Perception
Advisor(s): L.P. Morency*

Donghan Yu **
*Pre-Trained Language Models
for Knowledge Graphs and Their
Application to Question Answering
Advisor(s): Yiming Yang*

Lijun Yu
*Towards Multi-Modal Foundation Models:
A Multitask Generative Perspective
Advisor(s): Alexander Rudnicky*

Zhisong Zhang *
*Exploring Language Structured Prediction
in Resource-Limited Scenarios
Advisor(s): Emma Strubell*

Zhong Zhou **
*Massively Multilingual Text Translation
for Low-Resource Languages
Advisor(s): Alexander Waibel, Hao Zhu*

MACHINE LEARNING

MASTER OF SCIENCE

Machine Learning

Mehul Agarwal

Sudeep Agarwal

Dhananjay Ashok **

Sachin Beldona **

Anna Cai **

Andrew Caosun

Pranit Chawla **

Vikramjeet Das **

Vikram Duvvur **

Adiel Felsen **

Xiaohang (Flora) Feng

Richa Gadgil

Nevan Giuliani

Xuchen Gong

Yash Gupta **

Kate Yuhua Hu **

Eric Huang **

Peide Huang

Atishay Jain **

Roger Rongzhe Jin **

Maxwell Jones

Mohammed Asad Karim **

Zemian Ke **

Alexandre Kirchmeyer **

Ruiyu Li **

Ming Chong Lim

Jiachao Liu **

Yinjia Liu **

Thomas Lu **

Yuzhe Lu **

Keane John-Connor Lucas

Aboli Marathe **

Aashay Pinkesh Mehta **

Jared Mejia

Suzanne Nie **

Yan Pan

Yilong Qin **

Mrigank Raman **

Joseph Cole Ramos **

Rahul Saxena **

Tobias Schindler **

Shao Xuan Seah

Arya Pushpin Shah

Ishaan Shah **

Rohan Shah **

Andrew Shen **

Chloé Huangyuan Su **

Renyi Tang **

Roshan Antony Thekiniath

Vincent Martin Tombari

Praneetha Vaddamanu **

Aravind Venugopal **

Abhishek Vijayakumar **

Lantian Xu

Tzu-Ching Yen **

Yixuan Zhu

Zhiying Zhu **

Machine Learning - Applied Study

Quincy Prescott Hughes **

Akash Kannan **

Hari Manikandan **

Kousik Rajesh **

Zhenlin Wang **

Alexander Yu **

Machine Learning - Research

Annamarie Elizabeth Bair

Yewen Fan

Nupoor M. Gandhi

Sachin Goyal

Shengyuan Hu
Daniel Jeong **
Stefani H. Karp **
Chris Sungho Ki **
Jing Yu Koh
Oscar Li
Andrew Frederick Luo **
Deying Song
Ryan Steed
Che-Ping Tsai **
Yue Wu

DOCTOR OF PHILOSOPHY

Sebastian Caldas Rivera *
Collaborative Learning by
Leveraging Siloed Data
Advisor(s): Artur Dubrawski

Cristian Ignacio Challu
Representing Time: Towards Pragmatic
Multivariate Time Series Modeling
Advisor(s): Artur Dubrawski

Ian Guo-Fan Char
Advancing Model-Based
Reinforcement Learning with
Application in Nuclear Fusion
Advisor(s): Jeff Schneider

Benjamin Eysenbach *
Probabilistic Reinforcement Learning:
Using Data to Define Desired Outcomes
and Inferring How to Get There
Advisor(s): Ruslan Salakhutdinov

Chirag Gupta *
Post-Hoc Calibration Without
Distributional Assumptions
Advisor(s): Aaditya Ramdas

Pu Liang
Foundations of Multisensory
Artificial Intelligence
Advisor(s): Louis-Philippe Morency,
Ruslan Salakhutdinov

Leqi Liu *
Human-Centered Machine Learning:
A Statistical and Algorithmic Perspective
Advisor(s): Zachary C. Lipton

Charvi Rastogi
Improving Human Integration Across
the Machine Learning Pipeline
Advisor(s): Kenneth Holstein,
Nihar B. Shah

Elan K. Rosenfeld
Understanding, Formally
Characterizing,and Robustly Handling
Real-World Distribution Shift
Advisor(s): Pradeep Ravikumar,
Andrej Risteski

Aaron David Rumack *
Modeling Epidemiological Time Series
Advisor(s): Ronald Rosenfeld

Jacob Paul Tyo
Learning Models That Match
Advisor(s): Zachary C. Lipton

Helen L. Zhou **
Reliable and Practical Machine Learning
for Dynamic Healthcare Settings
Advisor(s): Zachary C. Lipton

ROBOTICS

MASTER OF SCIENCE

Computer Vision

Asrar Alruwayqi
Tianhui Cai **
Qiyu Chen **
Younjoon Chung **
Tianwen Fu **
Anujraaj Goyal **
Sanjana Gunna **
Poorvi R. Hebbar **
Cheng-Yen Hsieh **
Yeojin Jung **
Christopher William Klammer **
Gaini Kussainova **
Dishani Lahiri **
Eileen Li **
Weijie Lin **
Xinyu Liu **
Achleshwar Luthra **
Aniruddha Mahapatra **
Richa Mishra **
Kanya Mo **
Rutika Sudhir Moharir **
Neeraj Shubhendra Panse **
Myung Gun Seo **
Kameswara Bharath Somayajula **
Rakshith Srinivasa Murthy **
Sivaramakrishnan Subramanian **
Abhishek Tandon **
Minh Tran **
Ashwin Prakash Vaswani **
Niviru Nisandul Wijayaratne **
Chih-Chun Yang **
Yu-Hsuan Yeh **
Yizhen Yu **
Shen Zheng **
Ziyi Zhou **
Qibang Zhu **

Robotic Systems Development

Soham Nikhil Bhave
Sankalp Naresh Chopkar
Yu-Syuan Du
Solomon Daniel Fenton
Abhinav Gupta
Ronit Jaisingh Hire
Chien Chih Ho
Yudan Hu **
Rolanda Hutson
Sushanth Jayanth
Shreyas Jha

Christopher John
Kshitij Kabeer
Shaolin Kataria
Sridevi Kaza
Madhu Korada
Guangzhao Li
Kangni Liu
Vibhakar Mohta
Dhanesh Rajkumar Pamnani
Jiyoon Park
Atharv Pulapaka
Atharva Sanjay Pusalkar
Hariharan Ravichandran
Hari Shankar Ravisankaran
Siddharth Saha
Shri Ishwaryaa Santhanalakkshmi
    Vejaykummar
Anishram Amarnath Senathi
Jash Bhavin Shah
Dhanvi Sivasubramoniam
    Sreenivasan
Vineet Tambe
Sreeram Thirupathi
Alec Raymond Trela
Shivam Tripathy
Dhruv Manish Tyagi
Praveen Venkatesh
Sandhya Vidyashankar
Siddhant Wadhwa
Sergi Adipraja Widjaja
Ting-Wei Wong
Jinyun Xu
Sudhansh Yelishetty
Harshad Vinod Zade
Zilin Zhang

Robotics

Abhimanyu *
Mansi Agarwal *
Ravi Tej Akella *
Ananya Bal **
Patrick J. Callaghan **
Jinkun Cao
Lucas Afonso Casanova
    de Oliveira Nogueira *
Daphne Chen *
Xuxin Cheng **
Rohan Shreerang Deshpande *
Harry Nathan Veiner Freeman *
Ruijie Fu
Anurag Ghosh *
Mateo Guaman Castro *
Dingkun Guo **
Aarush Gupta *

Jui-Te Huang

Ayush Jain **

Siva Kailas *

Dvij Kalaria

Ajinkya Kamat

Seth Karten *

Nikhil V. Keetha

Akshaya Kesarimangalam
 Srinivasan *

Prasanna Kettavarapalyam
 Sriganesh *

Shivesh Khaitan *

Neil Khera *

Winnie Kuang *

Zhiqiu Lin **

Zhixuan Liu

Jinqi Luo *

Nishant Mohanty *

Bharath Raj Nagoor Kani

Huy Quyen Ngo

Beverley-Claire Adaobi Okogwu

Sarvesh Patil *

Neehar Peri *

Taylor James Pool

Anirudha Ramesh *

Ananya S. Rao

Brandon Raju Rishi

David J. Russell *

Andrew S. Saba **

Eric Schneider *

Aarrushi Shandilya *

Kenneth Shaw

Yuyao Shi *

Joshua Spisak *

Yimin Tang *

Sashank Tirumala *

Fausto Vega **

Siddarth Venkatraman *

Viekash Vinoth Kumar

Khiem Vuong *

Jenny Wang

Yinong Wang

Thomas Wei **

Jacob Willis **

Haoyu Xiong

Haoru Xue

Fan Yang *

Heng Yu *

Weihao Zeng

Nicolas M. Zevallos

Tianyuan Zhang *

Ziyang Zhang

Yi Zhao **

Gaoyue Zhou *

Zhizhuo Zhou *

DOCTOR OF PHILOSOPHY

Shikhar Bahl
Watch, Practice, Improve: Towards
In-the-wild Manipulation
Advisor(s): Abhinav Gupta, Deepak Pathak

**Ming-Fang Chang **
Towards Large-Scale and Long-Term
Neural Map Representations
Advisor(s): Michael Kaess, Simon Lucey

Victoria Lee Dean *
From Reinforcement Learning to
Robot Learning: Leveraging Prior
Data and Shared Evaluation
Advisor(s): Abhinav Gupta

Wei Dong *
Large Scale Dense 3D Reconstruction
via Sparse Representations
Advisor(s): Michael Kaess

Helen Jiang *
Learning via Visual-Tactile Interaction
Advisor(s): Wenzhen Yuan

**Leonid Keselman **
Gaussian Representations for
Differentiable Rendering and Optimization
Advisor(s): Martial Hebert

**Rawal Khirodkar **
Multi-Human 3D Reconstruction from
In-the-Wild Videos
Advisor(s): Kris Kitani

Michael Sukyung Lee
Improving the Transparency of
Agent Decision Making to Humans
Using Demonstrations
Advisor(s): Henny Admoni, Reid Simmons

**Pragna Mannam **
Design Iteration of Dexterous
Compliant Robotic Manipulators
Advisor(s): Jean Oh, Nancy Pollard

**Viraj Mehta **
Sample-Efficient Reinforcement Learning
with Applications in Nuclear Fusion
Advisor(s): Jeff Schneider

**Samantha Noelani Powers **
Continual Robot Learning:
Benchmarks and Modular Methods
Advisor(s): Abhinav Gupta

**Dhruv Mauria Saxena **
Manipulation Among Movable
Objects for Pick-and-Place Tasks
in Cluttered 3D Workspaces
Advisor(s): Maxim Likhachev

Mohit Sharma
Representation Reuse for Learning
Robust Robot Manipulations
Advisor(s): Oliver Kroemer

Sudharshan Suresh
Perception Amidst Interaction:
Spatial AI with Vision and Touch
for Robot Manipulation
Advisor(s): Michael Kaess

Srinivasan Vijayarangan
Spectral Mapping Using Simple Sensors
Advisor(s): David S. Wettergreen

Adam Villaflor
Offline Learning for Stochastic Multi-
Agent Planning in Autonomous Driving
Advisor(s): John Dolan, Jeff Schneider

**Allan Wang **
Social Navigation with Pedestrian Groups
Advisor(s): Aaron Steinfeld

Chaoyang Wang *
Towards Reconstructing Non-
rigidity from Single Camera
Advisor(s): Laszlo A. Jeni, Simon Lucey

**Ziyan Wang **
Towards Photorealistic Dynamic Capture
and Animation of Human Hair and Head
Advisor(s): Jessica K. Hodgins

**Thomas Weng **
Redefining the Perception-Action
Interface: Visual Action Representations
for Contact-Centric Manipulation
Advisor(s): David Held

**Donglai Xiang **
Modeling Dynamic Clothing for
Data-Driven Photorealistic Avatars
Advisor(s): Jessica K. Hodgins

Gengshan Yang *
Building 4D Models of Objects and
Scenes from Monocular Videos
Advisor(s): Deva Ramanan

Sha Yi
Improving Robot Capabilities
Through Reconfigurability
Advisor(s): Katia Sycara, Zeynep Temel

Jason Y. Zhang
Sparse-view 3D in the Wild
Advisor(s): Deva Ramanan,
Shubham Tulsiani

**Wenxuan Zhou **
Generalizable Dexterity with
Reinforcement Learning
Advisor(s): David Held

SOFTWARE & SOCIETAL SYSTEMS

MASTER OF SCIENCE

Information Technology - Privacy Engineering

Harish Manikandan Balaji **

Andrew Berry **

Kathryn Earles **

Geetika Gopi **

Kexin Jiang **

Seoyoung Ko **

Wenxuan Liang **

Jatan Sanjay Loya **

Aadyaa Maddi **

David Mberingabo *

Pauline Mevs *

Yanhao Qiu **

Swadhin Routray **

Ziping Song **

Sriram Viswanathan *

Hongtao Yao **

Yifeng Zeng **

Zili Zhou **

Societal Computing

Elijah Robert Bouma-Sims **

Hongbo Fang **

Andrea Gallardo

Samantha Cavanaugh Phillips

Software Engineering

Xiang Chen
Orvill de la Torre
Tobias Durschmid *
David Allen Good
Jane Hsieh
Yuan Li **
Izabela W. Litwin **
Yutong Liu **
Maria Montserrat Lozano Dieck
Nadia Nahar **
Mercy Chebet Rialem *
Daniel Rosa Ramos *
Ateeq Sharfuddin
Lena Taupier Letage
Miguel Angel Yañez Sauza **

MASTER OF SOFTWARE ENGINEERING

Embedded Systems

Yi-Ju Huang **
Venkata Nikitha Machineni **
Yash Pradhan **
Pakshal Shah **

Scalable Systems

Varun Agarwal **
Arpit Agrawal **
Akshit Bhalla **
Vincent Chen **
Rohit Rajesh Chougule **
Xu Fan **
Hemant Hari Kumar **
Jared Harvey **
Jeahong Hwang **
Kunal Jain **
Vybhav Jain **
Lu Jiang **
Devdatta Mahesh Joshi **
Vaishnavi Suresh Kaulagi **
Swapnil Markhedkar **
Ankita Mehra **
Chungeng Meng **
Alan Elias Munirji **
Yushin Park **
Prathmesh Pathwar **
Anant Prakash **
Xiaonan Qi **
Aakash Raghunathan **
Divya Raj **
Sharoni Roy Chowdhury **
Siddarth Sairaj **
Shreyas Sathe **
Dhaarna Sethi **
Yiran Shi **

Yash Sinha **
Chen-Yo Sun **
Chuyun Sun **
Xinyan Sun **
Sai Priya Thupalli **
Aarushi Tiwari **
Yitian Wang **
Yuchen Wang **
Wei Wu **
Minhui Xie **
Mingyang Yang **
Wenjing Ying **
Huixin Zheng **
Liyang Zhu **

Software Engineering

Eshita Agarwal **
Gaurav Agerwala **
Hissah Abdullah Alkhalaf **
Yash Anand **
Siddharth Bhatnagar **
Troy Gordon Burgess **
Dennis Peter George **
Hai-Hsiang Hsiung **
Hari Prasath John Kennedy **
Dhanraj Prem Kotian **
Niranjan Kumawat **
Yun Lee **
Li Liu
Mingquan Liu **
Shengwei Liu **
Jyot Ashwin Mehta **
Anshul Manish Modh **
Saphal Patro **
Pratik Pugalia **
Kunal Sethi **
Aman Sharma **
Shashank Shekhar **
Yumei Shih **
Kunal Singh **
Saloni Sinha **
Garrett Thomas Steele **
Kazuyuki Takayama **
Zhong Zuo **

DOCTOR OF PHILOSOPHY

Societal Computing

Melrose Arthur Michael Roderick **
Ensuring Safety of Reinforcement Learning At Training and Deployment
Advisor(s): J. Zico Kolter

Zheyuan Shi *
Learning and Planning Towards AI for Social Good
Advisor(s): Fei Fang

Joshua Eric Romulo B. Uyheng
Narratives and Networks of Online Hate
Advisor(s): Kathleen M. Carley

Software Engineering

Thomas James Glazier **
Meta-Management of Collections of Autonomic Systems
Advisor(s): David Garlan

Jeremy Lacomis *
Automatically Annotating Decompiled Code with Meaningful Names and Types
Advisor(s): Claire Le Goues, Bogdan Vasilescu

Christopher Scott Meiklejohn
Resilient Microservice Applications, by Design, and Without the Chaos
Advisor(s): Heather Miller

Daye Nam
User-Centered Intelligent Information Support for Programmers
Advisor(s): Vincent Hellendoorn, Brad A. Myers, Bogdan Vasilescu

David Gray Widder *
Ethics Down the AI Supply Chain: Playing with Power
Advisor(s): Laura Dabbish, James Herbsleb

Jenna Wise DiVincenzo **
Gradual Verification of Recursive Heap Data Structures
Advisor(s): Jonathan Aldrich, Joshua Sunshine

STUDENT-DEFINED MAJOR

BACHELOR OF SCIENCE

Computation and Linguistic Studies

Sophia M. Topi

Tepper School of Business

DEAN OF THE SCHOOL
Isabelle Bajeux-Besnainou

DEAN OF CARNEGIE MELLON UNIVERSITY, QATAR
Michael A. Trick

SENIOR ASSOCIATE DEAN, FACULTY
Duane Seppi

SENIOR ASSOCIATE DEAN, EDUCATION
Willem-Jan van Hoeve

ASSOCIATE DEAN, MASTERS PROGRAMS
Kathryn Barraclough

ASSOCIATE DEAN, RESEARCH
Anita Williams Woolley

ASSOCIATE DEAN, UNDERGRADUATE PROGRAMS
Burton Hollifield

ASSISTANT DEAN, MASTERS PROGRAMS
C. Tad Brinkerhoff

ASSISTANT DEAN, UNDERGRADUATE PROGRAMS
Jennifer Wegner

PH.D. PROGRAM
Alan Montgomery

TEPPER UNDERGRADUATE PROGRAMS

BACHELOR OF ARTS

Economics

Adrian Marcel Beaumont

Kingston Cox
Additional Major: Social
and Political History

BACHELOR OF SCIENCE

Business Administration

◆ Hana Samir Abdelmajid
Minor: Economics

Asad Kurbonali Ugli Abdurazzakov
Minor: Tech Entrepreneurship

◆ Ibrahim A. Abu
Minor: Economics

Sara Abdulla Abumoza
Minor: History

◆ Katrina Pamintuan Agcaoili
Minor: Economics

◆ Mary Effie Akinyi
Minor: Politics and Public Policy

◆ Hala Adel M.I. Al-Darbasti
Minor: Global Systems and Management

Fatima Mohamed Al-Jaidah
Minor: History

Sara Hamad Al Mana
Minor: Tech Entrepreneurship

Hend Al Mesned
Minor: Tech Entrepreneurship

Sarah Al Suqi
Minor: Economics

Maryam Ali Al-Maadeed
Minor: History

Aldana Zayed Al-Kuwari *
Minor: History

Noof Nasser G.A. Al-Maadeed
Minor: History

Lulu Ali Al-Majed
Minor: History

Alreem Saad R.M. Al-Muhannadi
Minor: History

Ali Al-Naemi
Minor: Psychology

Faisal Ahmad M.M. Al-Namla
Minor: Psychology

◆ Aldana Ahmed Al-Thani *
Minor: History

Jassim Feisal Q.F. Al-Thani

Khalid Al-Thani
Minor: History

Abdulrahman Khalid Al Mana
Minor: History

Noof Talal S.B. Almannai
Minor: History

Noora Ali Almannai
Minor: History

Sarah Fahad Al-Metairi
Minor: History

Renad Zaid Alshakhs

Mohanna Mohammed Alsulaiti
Minor: Economics

◆ Ammu Vadakkedath Anil **
Additional Major: Statistics
Minor: International Relations and Politics

◆ Brandon Lee Aprill
Minor: Innovation and Entrepreneurship

Kevin Josue Arcia **
Minor: Economics

Ishgun Singh Arora *
Additional Major: Statistics
and Machine Learning

Shahd Omar Ayesh

◆ Brianna Foster Baker
Minor: Design for Learning

Jeff Bao
Minor: Human-Computer Interaction

Rafael Ivan Baquerizo **
Minor: Film and Media Studies

Lyna Bermak **
Minor: Psychology

Elian Miguel Caruana Bernales
Minor: History

◆ Pranathi Birapuneni **
Additional Major: Decision Science
Minor: Health Care Policy
and Management

Arthur Brassell
Minor: Societal and Human
Impacts of Future Technologies

Diala Budeir
Minor: Global Systems and Management

Salma Buhmaid
Minor: Global Systems and Management

◆ Danyal Burhan
Minor: Global Systems and Management

◆ Yutian Cai
Additional Major: Statistics

◆ Zachary Michael Caldwell
Minor: Global Systems and Management

◆ Laura Kim Canseco
Additional Major: Statistics
and Machine Learning

◆ Cameron Patrick Casey
Additional Major: Statistics

◆ Jaimie Megan Chan **
Minor: Societal and Human
Impacts of Future Technologies

◆ Christy Seoyoung Chang
Minor: Decision Science

Jessica Chen
Additional Major: Statistics

◆ Kevin Chen
Minor: Decision Science

Grace Yaerim Choi
Minor: Creative Writing

◆ Dhruv Nimish Chokshi
Additional Major: Statistics

◆ Leon Chung *
Minor: Architecture

◆ Kevin Michael Cooke Jr.
Minor: Policy and Management

◆ Benjamin J. Curtin
Minor: Music

◆ Marwa Mohamed Ismail Mostafa Darwish
Minor: Economics

Abdulrahman Bader Darwish Fakhroo
Minor: History

◆ Nathan Mikhail Dekhovich
Minor: Societal and Human Impacts of Future Technologies

Andres Jose del Cid
Additional Major: Human-Computer Interaction

◆ Sweety Devnani
Minor: Psychology

James T. Devine
Minor: Music

◆ Pratyay Didwania
Minor: Computer Science

Abderaouf Draidia

◆ Rasika Preethi Dronamraju
Minor: Statistics

Jiaqi Du
Additional Major: Statistics

Sarah El Halabi
Minor: Global Systems and Management

◆ Al-Batoul A. El-Taguri
Minor: International Relations and Political Science

Majdouline Elaamerani
Minor: French and Francophone Studies

◆ Shima Ellabib
Minor: Global Systems and Management

Balca Eryilmaz
Additional Major: Decision Science

◆ David Zelong Fan **

◆ Kevin Fang
Additional Major: Computer Science

◆ Steven Kai Fang
Minor: Computer Science

◆ Nisha Lorna Fernandes
Additional Major: Statistics
Minor: Decision Science

◆ Michael Andre Fourchy
Additional Major: Statistics

◆ William David Ganger
Minor: Computational Finance
Minor: Computer Science

◆ Katarina Rae Garcia
Minor: Creative Writing

Miguel A. Garcia **
Minor: Innovation and Entrepreneurship

◆ Diana Gazizova
Minor: Economics

Mahsa Masoud Ghaderi

◆ Amiko Gogitidze
Minor: Financial Programming (Student-Defined Minor)

Aashita Grover
Additional Major: Human-Computer Interaction

◆ Amy Yanran Gu
Additional Major: Statistics

◆ Kartik Gupta
Additional Major: Social and Political History
Minor: Statistics

◆ Nihaar M. Gupta
Additional Major: Statistics
Minor: Decision Science

◆ Faraz Habib
Minor: Economics

◆ Shane Christopher Hale
Minor: Decision Science
Minor: Economics

◆ Mariam Hamad
Minor: Global Systems and Management

James Morgan Hawkins
Additional Major: Statistics

◆ Erika Marie Heffernen
Minor: Decision Science

◆ Aryan Nilesh Hegde **
Minor: Decision Science

◆ Mateo Hernandez
Minor: Global Systems and Management
Minor: Hispanic Studies

Eric Christopher Hoeffel **
Minor: Global Systems and Management

◆ Yajie Huang
Additional Major: Statistics

Kyu Hwan Hwang
Minor: Music Technology

John Paul Iaropoli
Minor: Decision Science

◆ Coleman Robert Isner
Additional Major: Computer Science

Seyed Meqdad Jafarian

Steven Joon Jang *
Minor: Societal and Human Impacts of Future Technologies

Urmi Jani
Minor: Professional Writing

◆ Alexander Kaul Javier
Minor: Global Systems and Management

◆ Ayush Jha
Minor: Economics

◆ Caroline Jiang
Additional Major: Human-Computer Interaction
Minor: Architecture

Yunqi Jiang **
Minor: Statistics

Soyeon Ju

Mwere Rita Kagabo
Minor: History

◆ Myung-Hwan Kang
Minor: Human-Computer Interaction

Rohan Raj Kapur
Minor: Decision Science

◆ George G. Karras
Minor: Music Technology

◆ Saijai Kaushal
Minor: Statistics

◆ Tejas L. Kaushik **
Minor: Innovation and Entrepreneurship

◆ Da Sol Kim **
Minor: Human-Computer Interaction

◆ Hyeyeon Kim **
Additional Major: Environmental and Sustainability Studies
Additional Major: International Relations and Politics

◆ Jennifer Kim
Additional Major: Human-Computer Interaction

◆ Matthew Edward Kinkead
Minor: Military Strategy and International Relations

◆ Rohan Kohli **
Minor: Economics

◆ Bharath Mahendra Kumar
Minor: Machine Learning

Deepti Kimberly Kumar
Minor: Music

◆ Asilbek Kuziboev
Minor: Economics

◆ Trent Dylan Lane **
Minor: Cybersecurity and International Conflict

◆ Lily Vered Laredo
Minor: Human-Computer Interaction

◆ Kiara Zoe Lazu
Minor: Media Design

◆ Chong Lee
Additional Major: Statistics and Machine Learning

Curtis Michael Lee
Minor: Innovation and Entrepreneurship

◆ Caroline Li **
Minor: Human-Computer Interaction

◆ Qianmin Li
Additional Major: Statistics

Joonyoung Lim
Minor: Societal and Human Impacts of Future Technologies

◆ Chieh Liu
Additional Major: International Relations and Political Science

◆ Jessica Liu
Additional Major: Statistics

◆ Jialiang Liu **
Minor: Mathematical Economics (Student-Defined Minor)

◆ Rita Mingruei Liu **
Additional Major: Statistics

◆ Vivien Lu
Additional Major: Statistics
Minor: Decision Science

◆ Jolie Yixin Ma
Additional Major: Statistics

◆ Michael Dal Maddalon
Minor: Innovation and Entrepreneurship

◆ Vineeth Rao Madhavaram
Additional Major: Statistics and Machine Learning

Tameem Murad M.R. Mahmoud
Minor: Economics

◆ Allyssa Bianca Manalansan Magpantay
Minor: Psychology

Tokhirjon Mirzajonov
Minor: Economics

Osman Mamoon Osman Mohamed
Minor: Professional Writing

Yasmina Jihad Mokahal
Minor: History

Krushna Malapati
Minor: Machine Learning

Jalyne Maloney **
Minor: Psychology

Saniya Mandloi
Additional Major: Decision Science

Ransher Singh Manhas
Minor: Economics

Aditi Mannem
Additional Major: Statistics

Catherine Ann Mathews
Additional Major: Statistics
and Machine Learning

Michelle Matthies **
Additional Major: Decision Science

Luke Bryant Mattson
Minor: Chinese Studies

Steven Mi **
Minor: Mathematical Sciences

Ethan Nathaniel Miandrisoa
Minor: Engineering Studies

Jasmine Mok **
Minor: Human-Computer Interaction

Jonathan Munoz
Minor: Innovation and Entrepreneurship

Navya Nakka **
Minor: Innovation and Entrepreneurship

Jacob Edward Nash **
Minor: Global Systems and Management

Bianca Felicia Navas
Additional Major: Creative Writing

Abinav Reddy Nayini
Minor: Economics

Thuc Thi Hien Ngo
Minor: Economics

Kevin Daniel O'Brien
Additional Major: Statistics

Jackson Paluck
Minor: Film and Media Studies

Bangmin Pan
Additional Major: Statistics

Denise Pan
Additional Major: Decision Science

Emily Pan **
Additional Major: Statistics

Nathan Johnny Pan
Additional Major: Decision Science

Selena Pan
Minor: Societal and Human
Impacts of Future Technologies

Erin Park
Minor: Media Design

Sungjin Park
Minor: Statistics

Victoria Sara Paulson **
Minor: Policy and Management

Eric Shane Portelli
Minor: Human-Computer Interaction

Tiana Ivanka Porwanto
Minor: Statistics

Jinhan Qian
Additional Major: Human-
Computer Interaction

Saisha Prasan Rao
Minor: Decision Science

Aryan Rawat
Minor: Computer Science

Muhammad Ali Raza
Minor: Global Systems and Management

Colin Daniel Record
Minor: Policy and Management

Eshaan T. Reddy **
Minor: Chemistry

Ethan David Reifer
Minor: Global Systems and Management

Neelav Ishika Reza
Minor: Decision Science
Minor: Sociology

Thomas Quincy Rich
Minor: Computer Science

Isaiah Sincere Rodgers
Minor: Architecture

Sofia Christine Rolla
Minor: Economics

Kia Tu Sadeghi
Minor: Societal and Human
Impacts of Future Technologies

Vishal Saikrishnan
Additional Major: Statistics
and Machine Learning

Janice Seo
Minor: Statistics

Priya Shah
Minor: Decision Science

Sanjana Shanbhag
Additional Major: Statistics

Kunal Sharda
Additional Major: Computer Science

Isabel Sara Hilbrich Sheppard
Minor: Drama
Minor: Psychology

Maggie Mei-Chi Shien **
Minor: Design

Jack Casey Simmons
Minor: Innovation and Entrepreneurship

Jared Keenan Smith
Minor: Innovation and Entrepreneurship

Riley Parker Smith
Minor: Innovation and Entrepreneurship

Brian Liam Stacy
Minor: Innovation and Entrepreneurship

Sanziana Stan
Minor: History

Jack Elliot Stone
Minor: Statistics

Alexander Sum **
Minor: Decision Science

Caroline Zi-Han Sun
Minor: Decision Science

Sonal Suralikal **
Minor: Statistics

Samuel Tan
Minor: Human-Computer Interaction

Prkriti Tandon
Minor: Psychology

Zhenran Tang
Additional Major: Robotics

Victoria Tankova
Minor: Societal and Human
Impacts of Future Technologies

Long Tao
Additional Major: Robotics

Lasha Targamadze
Minor: Information Systems

Ethan Bailey Taylor
Additional Major: Decision Science

Aditya Dharmesh Thakkar
Minor: Computer Science

Breana Valentovish
Additional Major: Statistics

Federico Sebastian van Tienhoven
Additional Major: Decision Science

Mauricio Vargas
Minor: Logic and Computation

Tre Napoli Vasiliadis **
Minor: Policy and Management

Liam K. Vigdor
Minor: Human-Computer Interaction

Maanav Singh Wadhwa **
Minor: Economics

Dario James Walnock
Minor: Policy and Management

Kristy Wang
Additional Major: Human-
Computer Interaction

Leya Wang **
Minor: Philosophy

Muhammad Shafin Waqar
Minor: Computer Science

Xuduo Victor Wen
Cody Richard Wong
Minor: Global Systems and Management

Derek Wong
Minor: Innovation and Entrepreneurship

Lauren Kyoko Woody **
Minor: Decision Science

Vanessa Yunyi Wu
Additional Major: Statistics

Eleanor Xiao
Minor: Computer Science

Andrew Y. Xu **
Minor: Architecture

Brian Guo Zhen Xu
Minor: Statistics

Qiyue Xu
Additional Major: Film and Visual Media

Stephanie Xu **
Additional Major: Statistics

Adrian Chong Lin Yao
Additional Major: Statistics
and Machine Learning

Zeyuan Yao
Minor: Statistics

Joshua Liao Yu
Minor: Decision Science

Paige Angie Yu
Minor: Media Design

Yan Yu
Additional Major: Statistics
Minor: Computational Finance

Winston Zha
Liwen Zhang **
Minor: Computational Finance
Minor: Economics

Tianyi Zhang
Additional Major: Statistics

Jiapeng Zhou
Minor: Engineering Studies

Sihao Zhou
Additional Major: Statistics
and Machine Learning

Taylor Yuexiao Zhou
Additional Major: Statistics

Business Administration - General Management

Ahmad Nasser Al Duwek
Minor: Architecture

Economics

Daniel Hermann

Nathan Alexander Matthews

Elijah J. North

◆ Lee Ming Wang
Minor: Business Administration

◆ Hali Jia Wu **
Minor: Business Analytics and Optimization

Economics and Mathematical Sciences

◆ Yiruo Li
Minor: Computational Finance

General Studies

Christopher J. Harla **
Minor: Business Administration

MASTER OF BUSINESS ADMINISTRATION

Management Science

Jennifer Ellen Abbott

Daniel Curtis Adams

Janice Ewurama Gyede Aduhene

Kapil Agrawal

Chino Cyril Agulanna

Linda Marie Alexander

Megan Christine Almagro-Vanderslice

Ayman Mohamed Saeed Amin

Bhaskar Anand

Evan Shea Armstrong

Tyler Wyndham Ashner

Sai Harish Balijepalli

Ahmad Baqer *

Prasant Eswar Baratam

John Robert Barkow

Kienan Garvey Battin

Mohammad Ahmed Bawany **

Amit Behera

Monica Warrenita Belle

Katrina Anne Bennett

Edward Benning

Yogesh Bhatia

Matthew Joseph Borges

James Peter Bowler

Frank Halstead Brown IV

James Michael Bucki Jr.

Chompoonuch Buraphavat

Tyler David Campbell

Victor Castro Fernandez

Jason Joseph Chan

Chanon Chatchaluay

Stephanie Chau

Vijay Chaudhary

Feiran Chen

Xinkai Chen

Haseeb Hamid Chhapra

Sharat Chikkerur

Raymond Sun Way Chin

Joseph Jae-Young Cho

Mingi Michael Choi

Justin Han Yan Chow

Peter Wesley Clampitt

Phillip Edward Charles Compeau III

Imani Keyana Coney

James Russell Constantin

Shannon Mae Coveleski

Connor Thar Cuff

Reynaldo Jesus Curiel

Rushi Sunil Dalal

Serena W. Dao

Krishna Sashank Varma Datla

Davit Frengul Davitian

Divyansh Deora

Hanisha Dewan

Yogesh Avi Dhamija

John Stewart Dick

Andrew Joseph DiMeglio

Patrick J. Dion **

Jason Michael DiVenere *

Yash Dubey

James Francis Dugan

Michelle Dziedzic

Christopher Ray Elston **

Akash Vikram Elumalai

Soyoon Eo

Ji Yong Eom

James Wyatt Ernst

Connor Farrell

Matthew Joseph Feldman **

Joshua Allan Fox

William Wendell Frank Jr.

Jordan Robert Frazier

Haley Jessica Freeman

Feifei Fu

Man Fu

Sireesha Galla

Vasu Gangrade

Jing Gao

Xin Gao *

Daniel Esteban Garaguso

Nicholas J. Gasbarro

Pranav Gaur

Ethan Mackie Genco

Nadhira Fasya Ghasani

Jaskirti Kaur Ghataure

Louisa R. Godmer

Disha Goel

Amrit Gopal

Gokul Govindaraju

Sudhindra Sarma Gowripeddi

Kevin Wei Gu

Charu Gupta

Shagun Gupta

Jungsuk Han

Christian Alec Harchelroad

Edward Ross Hart

Anthony J. He

Sebastian Helfer

Sean Michael Hensler

Jaime Reymundo Hernandez

Leonardo Hernandez Sanchez

Stephanie Chen Ho

John Joseph Howarth

Melody Hsinyu Hu

Zaahir Zafar Imam

Kaitlyn Sirois Imel

Yusuf Kaan Islak

Isaac Bharat Iyengar

Madhura Pramod Jadhav

Toluwalase Oyinade Adesayo Jobi

Lonnell Ellis Jones

Liem Kadas

Prashanth Kallat Jr.

Rasika Dhananjay Karve

Vikas Reddy Katta

Tara Christine Kern

Abhishek Khajuria

Naveed Saeed Khan

Muhammad Bilal Khawaja

Ahyoon Kim

Sangmok Kim

Tae Min Eric Kim

Yong Myoung Kim

Youngkyu Kim

Hae Chan Kim Song

Joshua Daniel Kornmann

Andrew Walter Kuwik

Hyung-Joo Kwak

Siddharth Lagisetty

Matthew Christopher La Sala

Sophia Ka-Kay Law *

Phuong Thi Mai Le

Tung Lam Le

Chi-meng Lee

Ellen Yae-Eun Lee

Kyu Bin Lee

Robert Samuel Lee

Yoon Byung (David) Lee

Matthew Eric Lewis

Kongda Li

Jaime Limon

Yi Tien Lin

Lohit Lingam

Li Liu

Yuanji Liu

Amy Lo
Difan Lu
Kunhan Lu
William Bradford Ludes *
April D. Lugo
Vivian Yi Fan Ma
Mani Krishna Madineni
Aditya Mahajan
Sidhant Malhotra
Prakriti Malik
Rushika Makarandsingh Mangrola
Katherine L. Marcan
Krupa Tejal Marlapudi
Anthony McKinley Martone
Joseph Robert McCaslin II
Courtney Paige McClellan
Kathleen Nicole McLellan
Raul Meana Martinez
Divakar Sudhir Mehta
Antonio Meza
Daniel Charles Miller
Carmen E. Minella **
James Thome Minor
Srishti Mishra
Nikita Pravin Mondkar
Brian Parker Moore
Caitlin Brooke Morrow
Emmett Robert Mountjoy
Sunny Anish Mozhi
Nirmal Surendra Mundhada
John Paul Myhra
Vishal G. Namala
Santhosh Narayana
Anudeep Narisetti
Krishna Chaitan Nittala
Leah Michele Northington
Ryan Bradley Nuzzo
Ozioma Nnenne Ochin
Shingo Ono
Kelsey Dolan Orndorf
Renato Ayrton Osorio
Will Paik (Joo Whan)
Pranav Tej Pajjuri
Shivangi Pandey
Dimitri Papadimitriou *
Dimitrios Papazekos
Nicholas Arthur Paradiso
Jung Bum Park
Samuel Hunter Pass
Clinton Scott Patterson
Shrutha Keerthi Peddireddy
Jilinna Peng
A.G. Nuwan Perera
Napasorn Phiphobmongkol
Nicholas Allen Piper
Meghan Elizabeth Pirsig
Abhishek Pisipati

Nicholas Henry Png
Raymond Matthieu Panlilio Postadan
Chandra Sowjanya Potamsetty *
Snigdha Prakash
Andrew Charles Ptaschinski
Yanxi Pu
Travis Christopher Puccio
Kuhu Raj
Shipra Rakesh
Anjela Ramesh
Iris Ran *
Ross James Randall
Andrew David Rape
Harshita Rastogi
Pradeep Ravinarayanan
David Jordan Revoir
Ashleigh Laura Riehl
Thomas Frederick Riley
Nicholas James Rogness *
Jared Marc Rosen **
Jeffrey H. Rosenthal
Luke Oliver James Russell
Matthew Gregory Ryan
Akshit Sahai
Anusha Reddy Saireddy
Harshit Sandhir
Vatsal Saraswat
Joshua David Sayre
Michael Schroeder
Robert Lee Schwartz
Paige Elizabeth Schwein
Darpa Sehgal
Richard Howard Senior
Jinho Seo
Anushikha Sharma
Shweta Sharma
Snehal Sharma
Darshil Amishkumar Shastri
Jia Shen
Lawrence Shen
Xiao Shen
Shaughn Hobson Shields
Seungho Shin
Mohammad Sameer Siddiqui
Chiranjeev Singh
Vikramjeet Singh
Surya Singla
Anusha Sinha
Justin Lee Slusher
Jared Keenan Smith
Yash Somani
Anshu Srivastava
Aditya Sriwasth
Matthew Thomas Stanley
Garrett Thomas Steele **
Paul Stephens
Carla Michelle Suarez

Aditya Sudhakaran
Chinmay Mukund Sumant
Vishal Surianarayanan
Nicholas Swaminathan
Liana Christine Tai
Ruben Tavakalov **
Willard Ase Tesorero
Kavya Thachankary
Henry Olamiju Thomas
Caitlin Noel Thompson
Anthony Daniel Thornton
Maclean Stuart Trainor
Khanh Minh Tran
Scott John Trowbridge
Ankur Tyagi **
Amarachi Ruth Ude
Paul Madison Uhrmacher
Peter Bruce Vannorsdall
Ipseema Ved
Harini Venugopal
Syed Maaez Bin Veqar
Ankit Vimal
Ivana A. Vlahovic
Quan Minh Vo
Vu Thi Anh
Theodore Vu
Jianan Wang
Wendy Xianwen Wang
Yi-Wen Wang
Yingqian Wang
Daniel Gordon Watts
Mullin Asange Weerakoon
Kevin Charles Weiss
John Andrew Westwood
Jason Tyler White
Hong Il Wi
Anna Elizabeth Williams
Christina Alexandra Wong
Xiaotian Wu
Dongsheng Xing
Mengtan Xu
Miao Xu
Heena Yadav
Louis Ryo Yasuhiro
Kranthi Yelisetty
Da Yu
Zhuohang Yu
Renzo Jose Zavaleta Grandez
Chao Min Zhang
James Mingjin Zhang
Raymond Zhang
Victor Yi Zhang
Jue Zhou
Yiping Zhu

MASTER OF SCIENCE

Algorithms, Combinatorics and Optimization

Siyue Liu

Business Analytics

Lazuli Amaryllis Abel
Abena Adom-Oduro
Gary Dwiputra Angdoko
Pankti Antani
Tina Arora
Tanaya Arya
Eugene Antony Babu
Saianiket Bhamidipati
Hritik Shamit Bhansali
Sachitha Subramanya Bhat
Sylvanne Marciamary Braganza
Yukta Parag Butala
Mamadou Camara
Amitesh Chanda
Fei Chen
Benicia Kaihui Chiang
Marie Antoinette Estorba Tan Church
Neil Antony Crook
Jonathan Edward David
Raymond Peter David
Kalynn Kathleen Dean
Brandon Michael Edgett
Ahmad Samir Emam
Stephen Eng
Matthew Brian Evans
Wasfa Fatima
Fatima Fazal
Andrew Brian Gagnon
Enrique Jose Garcia
Amit Kumar Garg
Sherine George
Thomas Barnes Gregg
Clarissa Gunawan
Saahas Hari
Charmaine Li Yun Ho
Jie Shaun Ho
Sewon (Kelly) Hong
Chia-Hsuan Hou
Yu Hsiao
An-Chi Hsu
Qizhuang Huang
Aniruddh Ingle
Krithika Jagannath
Savas J. Kalafatides
Shashank Kallahalli Suresh
Hyoju Kang
Shaindel Karen
Khushi Kashyap
Anoop Inder Kaur
Esther Hyunmi Kim
Hyojin Kim

Seung Hyun Kim
Comlan Koudahoua
Mudit Krishna
Wendy Ying-Wen Kuo
Peter Michael Laughlin
Rodolfo Lerma
Ming-Hsuan Li
Peiyang Li
Zixuan Li
Jiayi Liang
Antony Yunfan Liao
Charles Brenden Linsenbigler
Chak Yin James Lo
Sarah Lynn Luongo
Yuheng Ma
Charles Henry Madison
Megha Maliwal
Alekya Mallina
Samuel Crockett Mannheimer
Dakshta Mehta
Charlotte Caroline Meyer
Anjali Modi
Anoushka Mongia
Kaitlyn Madison Montague
Hriday Muley
Hrishikesh Mysore Harishkumar
Amirthavalli Narayanan
Suhas Narendrula
Vu Anh Nguyen
Sean Sungjin Park
Shaun Tyler Pfister
Jennifer Shirl Pitts
Shihan Qian
Adam Carl Rafalowski
Bharathi Kiran Ravikumar
Ning Ren
Sara Rustagi
Amishi Sachdeva
Parag Ravindra Sapkal
Ayan Anandkumar Saraf
Aagam Hiten Shah
Raj Bhavesh Shah
Varun Pragnesh Shah
Saanika Shahi
Ronak Sharma
Saurbhi Singh
Kanishka Sandeep Soni
Maryam Sultana
Tim Sun
Karthik Talluri
Heetansh Rajesh Thakker
Kondareddy Thanigundala
Richard John Tudor
Jared L. Underkofler
Travis Jackson Vickers
Junbo Wang
Xiaohuan Wang

Yuyao Wang
Chirawat Withanwattana
Haodong Yan
Jiayuan Ye
Bo Suk Yoon
Cecilia Xiyu Zhang
Hai Zheng
Helen Tan Zhou
Jiacheng Zhou
Yanguang Zhou
Yuchen Zhu

Computational Finance

Vasu Agarwal **
Dhruv Baid **
Mihailo Becic **
Brandon Elijah Juan Antonio Bloebaum **
Mengxin Cao **
Yiran Cao **
Yunjie Chang **
Qiang Chen **
Sidan Chen **
Xilin Chen **
Xiongyu Chen **
Diwen Deng **
Federico Carmine Di Ninni **
Omran Dweik **
Yepeng Fan **
Boyu Fang **
Siyu Gao **
Jean Germa **
Yi Gu **
Manupriya Gupta **
Sahithya Kavya Hemanth Kumar **
Aanya Jhaveri **
Lucas Chen Jia **
Shuman Jiang **
Yetian Kang **
Drashti Khatsuriya **
Maysam Khodayari Gharanchaei **
Zhipeng Kui **
Nikhila Venkata Kulukuru **
Guolun Li **
Lun Li **
Shangyu Li **
Yuxuan Li **
Zhiying Li **
Minrui Liang **
Hanzhang Liu **
Peixuan Liu **
Ruixuan Liu **
Shiyue Liu **
Yin Liu **
Taoan Lu **
Yiqiu Luo **
Haoshu Lyu **
Jiayuan Ma **

Yunjie Ma **
Yanqi Mao **
Colton Merrill **
Prabhu Prasad Panda **
Prajakta Phadke **
Rohan Prasad **
Yuxin Qi **
Ruyue Qian **
David Ramirez **
Hemanth Reddy Rella **
Arthur Sauder **
Fanghui Shao **
Uday Sharma **
Kenneth Vargas Rivas **
Bharddwaj Vemulapalli **
Meghana Verma **
Aravindan Vethachalam **
Sarthak Vishnoi **
Hoang Long Vu **
Mingkun Wang **
Will Wang **
Tiancheng Wang **
Yinhan Wang **
Shenhan Wu **
Xiaozhuo Xia **
Yi Xin Xiang **
Xiao Xiao **
Yuyang Xie **
Chuchu Xu **
Junheng Xu **
Han Yan **
Jingyun Yang **
Yijia Yang **
Ziyan Yang **
Zhi Yun Yap **
Fengkai Ye **
Zhenghao Ye **
Andrew Yin
Jiajun Yuan **
Lingke Yuan **
Heyu Zhang **
Lawrence Zhang **
Olivia Zhang **
Yihan Zhang **
Bowen Zhao **
Xuanzi Zhao **
Yuning Zheng **
Chubo Zhou **
Yongshi Zhu **

Economics

Parand Akbari
Genaro Basulto Mejia
Minhyuk Nam
Amirhossein Vaziri

Finance

Mingjun Sun

Marketing

Jaymo Kim
Jieqiong Wang
Yuan Yuan

Operations Management

Alejandro Lorenzo Franco Lim
Hansraj Satyam Verma

Operations Research

Macarena Paz Navarro Tabilo
Vrishabh Manjunath Patil
Sebastian Alejandro Vasquez
   Llorente

Organizational Behavior and Theory

Allen Samuel Brown
Haerin Kwon

Product Management

Malay Subodhkumar Agrawal **
Sreeja Arun Ravi Nair
Anjali Bavisetti **
Qinru Chen **
Nishant Nischal Chintalapati **
Leon Xiaoyu Ding **
Charu Dixit **
Sravya Doppani **
Kinshuk Dudeja **
Kavya Lakshmi Ganta **
Devesh Gombar **
Abhishek Grover **
Sadhana Gupta **
Shailja Gupta **
Varun Gupta **
Roopal Joshi **
Durga Krishnamoorthy **
Monica Krishnamurthy
Sagrika Kumar
Shubham Bharat Lalwani **
Nisha Kripal Madhyani
Ritika Mandi **
Ranjana Marghasahayam Sriram
Mahalingam Muthuramalingam
Shreya Nath **
Nukala Vijaya Lakshmi **
Udbhav Pangotra **
Nikhil Papisetty **
Shahnawaz Shabbir Patel **
Varsha Vijay Pawar **
Bonny Philip **
Anjali Prajapati
Kenneth Ian Pulverman **
Padmesh Puthiyadom
   Pushpadhandakumar **

Sidhant Kumar Rai **
Sonal Dnyaneshwar Raipure
Arijit Rakshit **
Veda Krishna Vyas Ramasahayam **
Eshaan Rampal **
Rajesh Ranjan **
Adri Muhammad Rivai **
Saumya Sachan **
Alind Saxena **
Ashima Saxena **
Priyanshi Sharma **
Ashrith Shimoga Anantharaman **
Harshitha Shivaraju **
Arjun Singh **
Bhanu Pratap Singh **
Divya Somasundara **
Swati Dnyaneshwar Sorte **
Vineela Visalakshi Suri **
Varun Virendra Tiwari **
Balaji Raman Varadharaj **
Sanghmitra Wankhade **
Olivia Xu **

DOCTOR OF PHILOSOPHY

Daniel de Roux Uribe
Outer Approximation for Semidefinite
Programs and a Vector Clock Problem
Advisor(s): R. Ravi

Samuel Isaac Théodore Lévy
Essays on Bayesian Machine
Learning in Marketing
Advisor(s): Alan Montgomery

Sae-Seul Park *
Essays on Human Capital and
Organizational Performance
Advisor(s): Oliver Hahl

Yanhan (Savannah) Tang
Essays on Operations Management
in the Public Sector
Advisor(s): Alan Montgomery,
Alan Andrew Scheller-Wolf,
Sridhar R. Tayur

Qiaochu Wang
Artificial Intelligence/Machine
Learning Economics: Transparency,
Competition and Collusion
Advisor(s): Yan Huang, Param Vir
Singh, Kannan Srinivasan

Lavender Yin Yang
Essays on Climate Disclosures
Advisor(s): Pierre Jinghong Liang,
Nicholas Z. Muller

Michael Meir Zlatin
Polyhedral and Algorithmic Approaches
in Network Connectivity
Advisor(s): Gérard Cornuéjols

STUDENT-DEFINED MAJOR

BACHELOR OF SCIENCE

Business and Entertainment

◆   Stephen Austin Tao
Minor: Human-Computer Interaction

University-Wide, Intercollege and Joint-Degree Programs

Carnegie Mellon University

ENTERTAINMENT TECHNOLOGY CENTER

Keith Webster, Interim Director

INTEGRATED INNOVATION INSTITUTE

Peter Boatwright, Director

College of Engineering *and* College of Fine Arts

ARCHITECTURE-ENGINEERING-CONSTRUCTION MANAGEMENT PROGRAM

Erica Cochran Hameen, Track Chair

College of Engineering *and* Tepper School of Business

SOFTWARE MANAGEMENT PROGRAM, SILICON VALLEY

Gladys Mercier, Director

College of Fine Arts *and* College of Engineering

ENGINEERING STUDIES AND ARTS PROGRAM

M. Stephanie Murray, Senior Associate Dean of Interdisciplinary Initiatives

College of Fine Arts *and* Dietrich College of Humanities and Social Sciences

HUMANITIES AND ARTS PROGRAM

M. Stephanie Murray, Senior Associate Dean of Interdisciplinary Initiatives

College of Fine Arts *and* Heinz College of Information Systems and Public Policy

ARTS MANAGEMENT PROGRAM

Jessica Bowser Acrie, Director

ENTERTAINMENT INDUSTRY MANAGEMENT PROGRAM

Daniel Green, Director

College of Fine Arts *and* Mellon College of Science

SCIENCE AND ARTS PROGRAM

M. Stephanie Murray, Senior Associate Dean of Interdisciplinary Initiatives

College of Fine Arts *and* School of Computer Science

COMPUTER SCIENCE AND ARTS PROGRAM

M. Stephanie Murray, Senior Associate Dean of Interdisciplinary Initiatives

Dietrich College of Humanities and Social Sciences *and* Heinz College of Information Systems and Public Policy

INFORMATION SYSTEMS

Joseph S. Mertz, Director

Dietrich College of Humanities and Social Sciences, Heinz College of Information Systems and Public Policy, Mellon College of Science *and* Tepper School of Business

COMPUTATIONAL FINANCE PROGRAM

Duane Seppi, Head
Richard L. Bryant, Executive Director

Dietrich College of Humanities and Social Sciences *and* Mellon College of Science

SCIENCE AND HUMANITIES SCHOLARS PROGRAM

Maggie Braun, MCS Associate Dean for Undergraduate Affairs

Mellon College of Science *and* School of Computer Science

COMPUTATIONAL BIOLOGY PROGRAM

Min Xu and C. Joel McManus, Co-Directors

Mellon College of Science *and* College of Engineering

BIOTECHNOLOGY AND PHARMACEUTICAL ENGINEERING PROGRAM

Jonathan Minden and James W. Schneider, Co-Directors

School of Computer Science *and* Tepper School of Business

PRODUCT MANAGEMENT PROGRAM

Brad Eiben, Executive Director
Jason Hong, Faculty Advisor
Robert T. Monroe, Faculty Advisor

ENTERTAINMENT TECHNOLOGY PITTSBURGH

MASTER OF ENTERTAINMENT TECHNOLOGY

Charlie Agriogianis
Jinkun Chen
Shiyong Chen
Patrick Cheng
Chloe Kyungseo Cho

Jessica Danielle Cromp
Jiani Feng
Kailai Feng
Weixin Feng
Varun Ajay Girdhar
Steven Karl Goehrig
Yuxin Gu
Jiayu He
Langxuan He
Shaowen (Ariel) He

Ezra Lawrence Hill
Eui Hyun Jung
Yu Xi Lee
Marie Leung
Jiaxin Li
Xinyu Li
Yunqi Li
Tingru Lian
Zijie Lian
Sheryl Cuiyu Long

Yicheng Lu
Angelinne Pauline Mendenhall
Randi Ouyang
Lauren Elizabeth Platt
Dmitry Portnoy
Jiacheng Qiu
Anthony Julian Alexander Renouf
Anna Salieva
Minkyung Shin
Haoze Sun
Yuan Suo
Liyi Tang
Chao-Yang Tseng
Pulei Wang
Qianduowa Wang
Shiyu Wang **
Shuyue Wang
Yue Wang
Yumeng Wei
Derek Heath Williams
Keyin Wu
Yuxuan Wu
Zezhong Wu
Jingyu Xie
Yile Xu
Rei Yamada
Tingyu Yan
Wenlong Yan
Ruoxi Yang
Zibo Ye
Ziqi Ye
Thomas (June Seo) Youn
Zhuochen Yuan
Xuan Zhai
Caiyu Zhang
Jiajian Zhang
Penghua Zhou
Cora Yilin Zhu
Yiqu Zhu
Zixuan Zhu

INTEGRATED INNOVATION INSTITUTE

MASTER OF INTEGRATED INNOVATION FOR PRODUCTS AND SERVICES

Integrated Innovation for Products and Services

Anupreeta Agate
Marciano Bagnoli **
Claudia S. Chen *
Papim Dejakaisaya
Raymond Michael Fortney **
Xueying Guan

Alexander Herschmann **
Madiha Irfan **
Elizabeth Kacpura
Abigail Kastroll
Marica Mody **
Mengjia (Isabelle) Qiu
Suvarsha Rai
Sirao Song
Aymen Aziz Tarar
Julie Wagner
Xiao Xiao
Nan Yi

MASTER OF INTEGRATED INNOVATION FOR PRODUCTS AND SERVICES - ADVANCED STUDY

Integrated Innovation for Products and Services and Integrated Study in Computer Science

Yi Hu

Integrated Innovation for Products and Services

Harshita Agrawal **
Saisri Akondi **
Sachi Bafna **
Keer Bai **
Aditi Bamel **
Mahir Rajesh Bhatt
Yin Li Chua **
Kyle Clark **
Jinjin Du **
Danyal Ghanbari Barfeh **
Jiayi Guan **
Taru Jain **
Mizuki Kadowaki **
Dina Kaganer **
Ramneek Kaur **
Nikita Khanna **
Supitcha Krishnamara **
Smrithi Krishna Kumar **
Shirui Liang **
Karthik Sivacharan Loganathan **
Lan Lyu **
Srishti Malaviya **
Ashish Mangal **
Myria Mathew **
Dharm Narayan **
Misari Patel **
Harsh Raj **
Mahesh S **
Kanika Sachdeva **
Siyue Shen **
Shreyas Singatagere Basavaraj **
Aman Sinha **
Mukta Tak **

Mei Tamaki **
Vishal Urlam **
Ikram Shah Vallivullah Shah **
Keziah Cahya Virdayanti **
Yangjian Wang **
Yining Wang **
Yixuan Wang
Zehuan Wei **
Wendi Yin **
Yanzhi Zhao **
Ashley Zi Yin Zhu **

MASTER OF SCIENCE

Software Management

Sarvesh Agrawal **
Olufunbi Babaseyitan Babalola **
Arjun Banerjee *
Kimberly H. Barnes *
Yixin Cao **
Saatwick Chandra **
Karthick Chandrasekar
Shikha Charadva *
Pratik Vikas Chaudhari **
Praneeta Codadu *
Sahil Kishor Dhansinghani **
Sri Tejaswi Gattupalli **
Akanksha Golhani **
Rahul Goyal **
Yue Guo **
Xinyu Hong **
Shuwei Hsu
Jun Huang
Anmol Jain **
Darshna Jain **
Meihui Jin **
Sahithi Jonnalagadda **
Aastha Kedia **
Utkarsh Khandelwal **
Deeksha Kumar
Neal Kunkle *
Karan Kwatra
Xinhao Li
Yuqi Li
Apoorva Malhotra *
Lavanya Mamillapalli **
Seemran Mishra **
Bhavya Paliwal **
Tian Peng
Diyang Pu **
Chang Qian
Faraz Rahman *
David Albert Ramirez
Maneesh Kumar S. Ramniranjan
    Sharma *
Thitiporn Rojsurakitti **
Dominic Ross *
Divya Sawhney *

Karan Shah **
Anoop Kadukutty Shanmughan *
Arya Mihir Singh **
Dhruv Singh *
Navtej Singh **
Yihui Song
Niharika Sunkara **
Neha Suresh Kumar
Jianxuan Tan **
Bo Wang
Yi-Hsuan Wang **
Sherry Qian Xu
Sangeeta Yadav
Huayu Yang
Jonathan Yap Wei Kang
Young Yoon
Zhuokai Yu **
Hecheng Zhang **
Sijia Zhang
Yixian Zhang
Jiangqi Zhu **
Gulden Zhukibayeva **

Technology Ventures

Udhayakumar Senthil Kumar **

GENERAL STUDIES

BACHELOR OF SCIENCE

General Studies

Sharoq Hussain Mohammed Darwish
Minor: Tech Entrepreneurship

College of Engineering *and*
College of Fine Arts

ARCHITECTURE–ENGINEERING–CONSTRUCTION MANAGEMENT PROGRAM

MASTER OF SCIENCE IN ARCHITECTURE–ENGINEERING–CONSTRUCTION MANAGEMENT

Zahraa Atha **
Snehal Smita Meghraj Avhad **
Shekhar Prem Damaria **
Sudha Rakesh Dwivedi **
Naishal Asutosh Gajjar **
Deepanshi Jaiswal **
Yunxiao Jin **
Faris Aijaz Ahmed Khan **
Shashwati Khawale **

Purav Ghanshyamkumar Kothiya **
Aksha Anil Pandya **
Kavin Rao **
Advika Shetty **
Alexandra Yolanda Teran Rubio **
Wei-Ni Ting **
Shannon Utama **
Junqi Wang **
Tanisha Yelaka **

College of Fine Arts *and* College of
Engineering

ENGINEERING STUDIES AND ARTS PROGRAM

BACHELOR OF ENGINEERING STUDIES AND ARTS

◇ Hikari Lyane Harrison
Engineering Studies and Drama

◈ Anthony Y.H. Hong
Engineering Studies and Music Technology

◈ Joey Mok **
Engineering Studies and
Music Performance

College of Fine Arts *and* Dietrich
College of Humanities and
Social Sciences

HUMANITIES AND ARTS PROGRAM

BACHELOR OF HUMANITIES AND ARTS

◇ Evelyn Bang
Philosophy and Art
Minor: Human-Computer Interaction

◈ Julian Hsieh
Global Systems & Management
and Music Performance
Minor: Business Administration

◈ Ellis Carson Jones
Literature & Culture and Design

◈ Nicholas Jun
Film & Visual Media and Architecture

◇ Anabelle Masina Kang
Creative Writing and Art
Minor: Film and Media Studies

Clara Ga-Eun Lee
Ethics, History, & Public
Policy and Architecture

◈ Kaisa Grace Lee **
Ethics, History, & Public Policy and Drama

◈ Shannon A. Lin
Decision Science and Design
Minor: Human-Computer Interaction

◈ Bridget Amanda Nance
Cognitive Neuroscience and
Music Performance
Minor: Music Theory

◈ Annie Nguyen
Creative Writing and Drama

◈ Sion Park
Social & Political History and Art

◈ So Young Park
Professional Writing and Art

◈ Angela Ren
Ethics, History, & Public Policy and Art
Minor: Creative Writing

◈ Peggy Shen
Information Systems and Art
Minor: Human-Computer Interaction

◈ Bernard Sheng
Information Systems and
Music Performance
Minor: Human-Computer Interaction

◈ Grayson Elizabeth Ticer
Decision Science and Art

◇ Heying Wang
Psychology and Art
Additional Major: Human-
Computer Interaction

◈ Cheryl Zhang
Humanities Analytics and
Music Performance
Additional Major: French and
Francophone Studies
Minor: Human-Computer Interaction

◈ Tianan Zhang
Film & Visual Media and Art
Minor: Photography

◈ Haisu (Kelly) Zheng
Cognitive Science and Art
Additional Major: Human-
Computer Interaction
Minor: Animation and Special Effects

College of Fine Arts *and*
Heinz College of Information Systems
and Public Policy

ARTS & ENTERTAINMENT MANAGEMENT PROGRAM

MASTER OF ARTS MANAGEMENT

Arts Management

Chelsea Arthur-Succop
Isaac John Fisher *
Wenjia Han
Julia Levine
Tsun Jen Liao
Lauren Nicole Miller
Ashley Faith Offman
Ran Peng
Katie Elizabeth Remark *
Ellena Sakai
Jenna Rose Shore
Samantha Mara Sonnet

Luyi Sun

Emma M. Voelker

Zhenru Yan

Yikun Yang

Xiaofan Zhang

Yushi Zhang

Qingyuan Zheng

Tianying Zhu

MASTER OF ENTERTAINMENT INDUSTRY MANAGEMENT

Entertainment Industry Management

Averi Victoria Lynn Allison

Cindy Tatiana Behar Russy

Satya Aditya Bonepalli

Erin Patricia Coughenour

Angela Fengyi Cui

Violet Marie Garner

Natalie Lara Geriot

Ruhi Guhathakurta

Sarah Elizabeth Hill

Ziying Hong

Reese Delaney Lamping

Muge Li

Kai Ling Kelly Liu

Nevada Marie Nicolette

Julia (Juju) Maria Nieto

Tyler Michael Petrossi

Natalie G. Pyle

Luoming Qu

Scott Brandon Rosenberg

Akanksha Vidhi Sahay

Jai Thai Ta

Julia Timmons

Hongyun Yu

Ziqi Zhou

College of Fine Arts *and*
Mellon College of Science

SCIENCE AND ARTS PROGRAM

BACHELOR OF SCIENCE AND ARTS

◇ George Jacob Armentrout
Mathematical Sciences and
Music Technology
Minor: Computational Finance

Luca Faith Bartman
Neurobiology and Music Performance

◇ Rui Chang
Mathematical Sciences and Art
Minor: Human-Computer Interaction

◇ Marilyn Gao
Biological Sciences and Art
Additional Major: Russian Studies

◇ Emily Marie Krueger
Biological Sciences and Art

◇ Ethan Lee
Biological Sciences and
Music Performance

◇ Inés Rodriguez Hsu
Physics and Art

◇ Juniper Spiegel
Chemistry and Music Performance

◇ Carmyn Talento
Physics and Music Performance

◇ Shuyi (Zoe) Yang
Biological Sciences and Art
Minor: Psychology

◇ Zixin Yang
Mathematical Sciences and Art
Minor: Game Design
Minor: Human-Computer Interaction

◇ Shangyi Zhu
Mathematical Sciences and
Music Technology

College of Fine Arts *and*
School of Computer Science

COMPUTER SCIENCE AND ARTS PROGRAM

BACHELOR OF COMPUTER SCIENCE AND ARTS

◇ Timothy James Carullo
Computer Science and Music Performance

◇ Spoorthi Cherivirala
Computer Science and Design

◇ Eric Li **
Computer Science and Music Performance

◇ Connor Viani Maas
Computer Science and Music Technology

◇ Valerie Joy Nayak
Computer Science and Drama

◇ Zachary Joseph Sussman
Computer Science and Music Technology

◆ Chelsea Tang
Computer Science and Design

◇ Annika Wu
Computer Science and Music Technology

◇ Laura Yu Wu
Computer Science and Music Technology

**Dietrich College of Humanities
and Social Sciences** *and* **Heinz College
of Information Systems and
Public Policy**

INFORMATION SYSTEMS PROGRAM

BACHELOR OF SCIENCE

Information Systems

Rahaf Eyad Aboulibdah *

◆ Pranav Addepalli
Additional Major: Human-
Computer Interaction
Minor: Computer Science

Ademitunde Olubukunmi Abike
Adenuga
Minor: Immersive Technologies
in Arts and Culture

Ahmad Sulaiyman Bin Ahmad Fauzi

Zainab Saeed Ahmed
Minor: Tech Entrepreneurship

Natasha Akali
Minor: Computer Science

◆ Shaikha Ahmed Al Emadi

Khawla Meshal Al Maadeed

◆ Nayla Ibrahim Al Mulla **
Minor: History
Minor: Psychology

◇ Faisal Al Thani

◆ Mariam Abdulla Al Thani
Minor: Professional Writing

◆ Muneera Ameer Abdulla Al-Baker
Minor: Arabic Studies
Minor: Global Systems and Management

Mashael Mohammed Al-Emadi
Minor: Arabic Studies

Saada Hadban Saeed Al-Ghasel

Ajlan Mohammed Al-Kaabi
Minor: Computer Science
Minor: Tech Entrepreneurship

Mayar Al-Kurdi

Khadija Fahad M.A. Al-Majid

Roudha Khalil Al-Mansoori

Mubarak Saad Al-Naimi

Ali Khalid A.M. Al-Quradaghi

Noora Mohammed Ahmad Al-Saadi
Minor: Psychology

Abdulla Jassim Al-Sharim

Jassim Nawaf Al-Thani

Khaled Salah AlWaheeb

Sara Nasser Mohammed Al-Dosari

◆ Ahmad Nael Rebhi Alhallaq

Yousuf Alkhiyami
Minor: Psychology

◆ Fatima Abdulla Alsafar **
Minor: Arabic Studies

Noor Ali Sayyar Al-Tamimi

Abigail Jane Amonett

Anupama Anilkumar
Minor: Global Systems and Management

Neha Anumolu

Gabriella Ardiles **
Additional Major: Statistics
and Machine Learning

◆ Daniel Johann Arriola
Minor: Computer Science
Minor: Human-Computer Interaction

Gabrielle Flora Mari'Claire Augustin
Additional Major: Human-
Computer Interaction
Minor: Media Design

◆ Danagul Azimzhanova

◆ Ohnyoo Esther Bae **
Minor: Human-Computer Interaction

◆ Huda Baig
Minor: Computer Science

Megan Evelyn Baker
Minor: Cybersecurity and
International Conflict

◆ Alex Barrios
Minor: Software Engineering

◆ Chloe Chan
Minor: Business Administration
Minor: Computer Science

Deep Chandra
Minor: Computer Science

◆ Ritu Chatterjee

◆ Brandan Y. Chen
Minor: Game Design

Dennis Chen
Minor: Economics

◆ Sherry Chen
Additional Major: Human-
Computer Interaction
Minor: Design

◆ Yanxin Chen
Minor: Business Administration
Minor: Computer Science
Minor: Information Security,
Privacy and Policy

◆ Yijun Chen
Additional Major: Computer Science

◆ Anita Yu Chen Cheng
Additional Major: Human-
Computer Interaction
Minor: Business Analytics
and Optimization

Anastasia Yaroslavovna Cheypesh

◆ Chia-Wei Fiona Chiu
Minor: Business Administration
Minor: Computer Science
Minor: Human-Computer Interaction

◆ Simon Yao Corpuz
Minor: Game Design
Minor: Human-Computer Interaction

Massa Pliguefanhan Abdoul
Coulibaly

Lea De Vylder
Minor: Human-Computer Interaction
Minor: Software Engineering

◆ Amy Deng
Minor: Artificial Intelligence

◇ Malika Satyendra Dikshit

◆ Ziqi Ding
Minor: Computer Science
Minor: Human-Computer Interaction

◆ Jenny Thanh Doan
Minor: Computer Science

Anastasiia Dobronravova

Yutong Du
Minor: Art

◆ Mahith Sathya Edula
Minor: Statistics

Ruban Faisal

◆ Aiman Fatima

◆ Erica Fu
Additional Major: Human-
Computer Interaction
Minor: Design
Minor: Soft Technologies

◆ Hao Wei Fu **
Minor: Computer Science

◆ Kimberly Wendi Gao
Additional Major: Human-
Computer Interaction
Minor: Computer Science

Zhijie Gao
Additional Major: Statistics
Minor: Science, Technology and Society

◆ Amita Goyal **

◆ Julia Graham
Minor: Human-Computer Interaction
Minor: Software Engineering

Richelle Guice **
Minor: Human-Computer Interaction

◆ Daniel Fransesco Gunawan
Minor: Computer Science

◆ Bonnie Guo
Minor: Artificial Intelligence
Minor: Business Administration

Ethan Patrick Guthrie
Minor: Cybersecurity and
International Conflict

Muhammad Hamzah

◆ Juncheng He
Additional Major: Computer Science
Minor: Human-Computer Interaction

◆ Yucheng He
Additional Major: Computer Science

◆ Alice Yongyhee Hong
Minor: Computer Science

◆ Samiul Hoque

◆ Julia Hou **
Minor: Human-Computer Interaction

◆ Joyce Huang
Minor: Statistics

◆ Junzhe Huang
Minor: Engineering Studies
Minor: Game Design

Ryan Huang

◆ Zhuowen Huang
Minor: Computer Science

◆ Fadia Hussain

Timothy C. Hyun
Additional Major: Computer Science

Ahmed Issaoui

Anthony Kent Jiang
Minor: Computer Science

◆ Emma Yuesha Jiang **
Additional Major: Computer Science

◆ Hanyu (Rebecca) Jiang
Additional Major: Human-
Computer Interaction
Minor: Media Design

Fatima Johar

Yousef Adnan Khanfar **

◆ Sanmoy Karmakar
Minor: Business Administration

◆ Kelli Anna Kuramoto
Additional Major: Human-
Computer Interaction

◆ Yejun Kwak
Minor: Human-Computer Interaction

◆ Huarui Lai
Additional Major: Human-
Computer Interaction

◆ Clara Lam
Minor: Business Analytics
and Optimization
Minor: Human-Computer Interaction

Hye In (Elizabeth) Lee
Minor: Human-Computer Interaction

◆ Jieun Lee
Minor: Human-Computer Interaction

◆ Zexuan Li **
Additional Major: Human-
Computer Interaction

◆ Sunny Liang
Minor: Computer Science

Catherine Elisabeth Lin

◆ Mona Lin
Additional Major: Statistics
and Machine Learning
Minor: Computer Science

◆ Yutong Lin
Additional Major: Human-
Computer Interaction

◆ Michelle X. Liu
Minor: Computer Science
Minor: Human-Computer Interaction

Rachel Grace Luo
Minor: Human-Computer Interaction

Yihan Luo
Minor: Business Administration
Minor: Computer Science

◆ Alexander Jinong Ma
Additional Major: Human-
Computer Interaction

Nathan T. Maher
Minor: Software Engineering

Miles Victor Maltbia
Minor: Information Security,
Privacy and Policy

Neel Sanjeev Mandapati **
Additional Major: Statistics
and Machine Learning

◆ Rachel Marie Martini
Minor: Human-Computer Interaction

Faisal Ali Mashhadi
Minor: Psychology

◆ David Matovic **
Minor: Human-Computer Interaction

◆ Colin Matthew May

◆ Ryan Harris McGrady
Minor: Computational Finance
Minor: Computer Science

Bakhtiyorjon Zokirjon O'g'li Mirzajonov
Minor: Tech Entrepreneurship

Ahmad Saeid Mohamad

Basma Mohamed

Belal Mohammed-Nur

◆ Alice Nie
Additional Major: Human-Computer Interaction
Minor: Business Administration

Nathan Alan Oswell
Minor: Game Design

◆ Jason Perez
Minor: Game Design

◆ Sean Hoang Pham
Minor: Computer Science

◆ Adriana Poznanski
Additional Major: Human-Computer Interaction

Abdulla Ahmad Rahimi

Ahsan Rasool **
Minor: Business Administration

Rahul Ravula **
Minor: Human-Computer Interaction

Muhammad Ammar Raza
Minor: Tech Entrepreneurship

◆ Dhruva Reddy
Minor: Business Administration

Sharon Ren
Minor: Human-Computer Interaction

◆ Eric Clarence Rohrer
Additional Major: Statistics
Minor: Business Administration

Cara Jaclyn Savoy
Additional Major: Linguistics

Yize Shen
Additional Major: Human-Computer Interaction

◆ Tianze Shou
Additional Major: Statistics and Machine Learning

Dillon Shu
Minor: Information Security, Privacy and Policy

◆ Roshni Surpur
Minor: Business Administration
Minor: Software Engineering

Darius Taylor
Minor: Cybersecurity & International Conflict

Meghana Tera

◆ Madeline Grace Thai-Tang
Minor: Decision Science
Minor: Design for Learning

◆ Aaron To
Minor: Software Engineering

◆ Ayush Tripathi
Minor: Human-Computer Interaction

◆ Chih-An Tsai **
Minor: Business Analytics and Optimization
Minor: Human-Computer Interaction

◆ Larissa K. Tyagi
Additional Major: Business Administration

◆ Zachary Stanley Van Bennekum
Minor: Human-Computer Interaction

Tejas Venkatesh **
Minor: Human-Computer Interaction

◆ Vatsalya Verma **
Minor: Business Administration

◆ Keerthana Vinay
Minor: Human-Computer Interaction

Victor Augustus Waddell
Minor: Information Security, Privacy and Policy

◆ Nathan Wai
Minor: Human-Computer Interaction

◆ Brianna Wang **
Minor: Computer Science
Minor: Human-Computer Interaction

◆ Elaine Yupei Wang
Minor: Computer Science

Kevin Wang
Additional Major: Business Administration

◆ Zimeng Wang
Additional Major: Policy and Management

◆ Ziyan Wang
Additional Major: Statistics and Machine Learning

◆ Nicholas Gerard Wernink
Minor: Business Analytics and Optimization

◇ Emmeline Grace Wetzel
Minor: French and Francophone Studies
Minor: Human-Computer Interaction

Wang Quan Ryan Wong
Additional Major: Decision Science

◆ Annie Wu
Additional Major: Mathematical Sciences (Computational and Applied Mathematics)
Minor: Computer Science

◆ Cameron Makena Wu
Minor: Game Design
Minor: Literature and Culture

◆ Kevin Wu
Minor: Computer Science

◆ Xian Wu
Minor: Computer Science
Minor: Game Design

◆ Zhijin Wu
Additional Major: Business Administration
Minor: Human-Computer Interaction

◆ Bo Xia
Minor: Computer Science

◆ Xinyi Xiang
Additional Major: Human-Computer Interaction

◆ Dora Ling Xiao **
Minor: Computer Science
Minor: Human-Computer Interaction

◆ Ruoxi Yang
Additional Major: Artificial Intelligence

Teresa Yuefan Yang
Additional Major: Human-Computer Interaction
Minor: Business Administration

◆ Zhiheng Ye
Additional Major: Artificial Intelligence

Asyer Yonas

◆ Jennifer L. Zhang
Minor: Human-Computer Interaction
Minor: Media Design

◆ Steven Zhang
Minor: Software Engineering

◆ Yiqun Zhang
Additional Major: Artificial Intelligence

◆ Emilie Zhou
Minor: Human-Computer Interaction
Minor: Media Design

Honor Society Inductees and ROTC Officer Commissioning

ALPHA IOTA DELTA

Alpha Iota Delta, the International Honor Society in Information Systems and Decision Sciences was founded in 1971. The purposes of Alpha Iota Delta are to confer distinction for academic excellence; to promote fellowship among students, faculty and administrators who share common professional interests; and to promote the application of the tools, concepts and methodologies of Information Systems and Decision Sciences toward the betterment of society. Alpha Iota Delta elects students to membership based on two key criteria: academic excellence and outstanding campus citizenship. The Carnegie Mellon University chapter was established in 2008.

Yijun Chen
Zhijie Gao
Amita Goyal
Julia Graham
Jacky He
Kelli Kuramoto

Ariel Kwak
David Matovic
Adriana Poznanski
Dhruva Reddy
Maddie Thai-Tang
Nicole Xiang

ANDREW CARNEGIE SOCIETY

Andrew Carnegie Society (ACS) Scholars are selected each year by their deans and department heads to represent their class in service and leadership. These undergraduate seniors embody Carnegie Mellon's high standards of academic excellence, volunteerism, leadership, involvement in student organizations, athletics and the arts. Since its inception in 1975, the program has recognized over 1,000 students. Each ACS Scholar receives a monetary award — made possible by the generosity of ACS members — that supports their academic and personal growth. Additionally, they work together as a committee to present a gift back to the university community. Through this opportunity, the students experience the joy of philanthropy firsthand.

Erica Heffernan
Coleman Isner
Chloe Kim

Lee Wang
Emmeline Wetzel

BETA GAMMA SIGMA

Beta Gamma Sigma, the international business honor society, recognizes outstanding academic achievement. It was founded in 1913 and serves business programs accredited by AACSB International — the Association to Advance Collegiate Schools of Business. Membership in Beta Gamma Sigma provides graduates with opportunities to network with other outstanding business leaders throughout the nation. Carnegie Mellon's chapter was established in 1983.

Pranathi Birapuneni
Pratyay Didwania
Steven Kai Fang
Katarina Rae Garcia
Yajie Huang
Rohan Kohli
Vivien Lu
Tiana Ivanka Porwanto
Saisha Prasan Rao
Eshaan T. Reddy

Maggie Mei-Chi Shien
Long Tao
Federico Sebastian van Tienhoven
Maanav Singh Wadhwa
Derek Wong
Stephanie Xu
Tianyi Zhang
Liwen Zhang

CHI EPSILON

Chi Epsilon is the National Civil Engineering Honor Society in the United States, recognizing engineering students who have exemplified the principles of "Scholarship, Character, Practicality and Sociability" in the civil engineering profession.

Nicolas Bosquet
Barbara Castro-Schell
Vincent Cheng
Lauren Familetti
Katharine Hart
Eric Johnson

Sophie Kochanek
Lillian Mei
Julie Olsen
Winona Wang
Diana Warren
Beatrice Wu

MORTAR BOARD

Mortar Board is a national honor society that recognizes college seniors from all disciplines for their achievements in scholarship, leadership and service. It provides opportunities for continued leadership development, promotes service to the campus and off-campus communities, and encourages lifelong contributions to society.

Sarah Abrams
Elaina Ackatz Young
Malaika Alphons
Marissa Baldauf Pekular
Gavin Burke
Mia Carrarini
Sofia Cordoba Valencia
Carleigh Cusick
Adiva Dutta
Nisha Fernandes
Esha Gupta
Jess Jones
Anna Keresztesy

Sophia Korono
Maya McAuley
Samantha Mendes Castellano
Kerry Mills
Diederik Schlingemann
Harshul Singh
Freda Su
Nellie Tonev
Isabel Valasek
Lee Wang
Liwen Zhang
Feiyu Zhu

OMICRON DELTA EPSILON

Omicron Delta Epsilon (ODE) is an international honor society expressly dedicated to promoting excellence in the field of economics at all levels of scholarship. The Carnegie Mellon Chapter was founded in 1969. Our chapter seeks to promote and recognize achievement in economics at Carnegie Mellon University as well as foster and promote closer ties between students and faculty.

Christian A. Angelov
Oliver Richard Bauer
Caleb Brobst
Jacob Coffey
Adiva Dutta
Gabriel Saul Dweck
Owen Engbretson
Emily Ford
Jingxuan Gao
Estée Goel
Jenny (Siyuan) Guo
Lakshmi Esha Gupta
Shane Christopher Hale
Rachel Han
Ayush Jha

Xinyi Ke
Rohan Kohli
Jonathan Lee
Tianrui Lin
Ruiwen Liu
Akash Hariprasad Mankude
Abinav Reddy Nayini
Stotra Pandya
Vardaan Shah
Katherine Shaw
Tatiana Sinelnikova
Nidhi Singh
Zoë Thorpe
Lee Ming Wang
Hali Jia Wu

PHI BETA KAPPA

Founded in 1776, Phi Beta Kappa is the nation's oldest and largest academic honor society, recognizing outstanding achievement in the liberal arts and sciences. Carnegie Mellon's chapter was established in 1995.

Sarah Abrams
Amor Ai
Keilani Barba
Mennatallah Barghout
Oliver Bauer
Pranathi Birapuneni
Amelia Boose
Gavin Burke
Madeline Burke
Mia Carrarini
Aiwen Chen
Christopher Crawford
Jessica Dai
Payton Downey
Owen Engbretson
David Zelong Fan
Nan Fang
Nisha Fernandes
Nina Fisherman
Kaiwen Geng
Rafael Guzman
Sarah He
Julian Hsieh
Letian Huang
Lianna Huang
Jo-Michelle Huczko
Iris Jiang
Jessica Jones
Nicholas Jun
Joseph Kalarickal
Hyeyeon Kim
Sanjana Krishna
Emily Krueger
Nancy Kuang
Kaisa Lee
Sophia Levin
Xin Yue Li
Yiruo Li
Tongzhou Liao
Joshua Lou
Sachit Lumba

Joshua Marucheck
Megan Matsko
Nicholas Mlakar
Joey Mok
Prerna Mukherjee
Subhasish Mukherjee
Bridget Nance
Shravya Nandyala
Daniel Ng
Marissa Pekular
Sophia Peng
Adriana Poznanski
Jinhan Qian
Yi Lin Qiu
Ryan Raikman
Ruby Redlich
Mackenzie Riley
Marcus Schafer
Ali Shakir
Peggy Shen
Anoushka Shrivastava
Brandon Sommerfeld
Yifan Sun
Chelsea Tang
Bradley Wei Jie Teo
Aditya Thakkar
Lee Wang
Xinyi Wang
Emmeline Wetzel
Rachel Wilson
Annika Wu
Yao Xiao
Alex Tianyi Xu
Stephanie Xu
Zixin Yang
Braden Yates
Zhiyu Yu
Cheryl Zhang
Liwen Zhang
Tianan Zhang
Feiyu Zhu

PI KAPPA LAMBDA

Recognized as the premier national honor society for academic excellence in music, Carnegie Mellon's chapter was established in 1997. Since then, the School of Music has inducted some 350 students and faculty members into the honors society.

Zoë Chessa
Abigail Cunningham
Justin Feild
Charles Hale

Nicole Khouzami
Helena L. Lent
Wallis Kathryn Lucas
Isabel Valasek

PSI CHI

Psi Chi is an international honor society whose purpose is to encourage, stimulate and maintain excellence in scholarship of the individual members in all fields, particularly in psychology, and to advance the science of psychology. Membership in the society is contingent on having obtained the highest standards in academic excellence and having shown a serious interest in the scientific advancement of psychology as a field of scholarly inquiry.

Brian Balo
Grace Chen
Jendy DeLeon
LiLi DiMuzio
Abigail Glass
Amsala Govindappa
Jordan Hsieh
Chaco Iwase
Rebecca Kim
Karishma Kulshrestha
Max Labovitz
Anne Li

Vivian Lin
Iris Liu
Julia Liu
Mohamed Muzaffer
Brenna Robinson
Estelle Spira
Ethan Sterkeson
Grace Swatsworth
Adrian Tran
Siyuan Yang
Berke Yasar
Yi Zhao

TAU BETA PI

Tau Beta Pi is the sole engineering honor society encompassing the entire engineering profession. It is the oldest engineering honor society and second oldest collegiate honor society in the United States. Tau Beta Pi members demonstrate exceptional academic abilities and professionalism in the realm of engineering.

Mohammed Alfaraj
Malaika Alphons
Colton Amos
Nancy Anderson
Honora Armfield
Daniel Basson
Jack Beardshear
Lameck Beni

Anaya Bhammar
Mary Julliette Billings
Billy Boucuvalas
Jeffery Cao
Bilal Chaudhry
Brian Check
Rubin Chen
Mingkai Chen

Vincent Cheng
Justin Croyle
Eyal Davidov
Rebecca Dettmar
Katie Eisenman
Lauren Familetti
Nik Firestone
Nikhil Ganesh
Chi Gao
Sebastian Garcia
Ian Gimino
Daniel Gomez
Andy Han
Tyler Harp
Katie Hart
Leo Hasher
William Ho
Eleanor Hodgson
En Hung
Chris Huynh
Erica Iizuka
Alexander Ivanov
Sanjay Johnson
Seoyoung Joo
Julie Shin Kim
Nate Klein
Riti Krishna
Lindsay Lamberti
Karen Li
Shizhen Liu
Jessica Liu
Linda Liu
Ging Luo
Phylicia Ma
Yuemin Mao
Sona Marukyan
Andrew McGovern
Gabe Mendez-Sanders
Avineet Nanjappa
Leo Nicolussi
Shawn Noronha

Carl Otten
Iris Pan
Rohan Parekh
Aleksa Petric
Keegan Pietrak
Pranav Pranav
Aditti Ramsisaria
Jon Recta
Lewis Rockwell
Zachary Sabin
Matthew Saenz
Elsa Schleicher
Diederik Schlingemann
Siya Scindia
Krishnav Sekhri
Jian Shi
Yufan Shi
Avani Shukla
Harshul Singh
Raunak Sood
Oi Srinualnad
William Strahl
Claire Su
Freda Su
Summer Sun
Linsey Szabo
Emily Szabo
Michaela Tecson
Nihar Trivedi
Matthew Wagner
Aidan Wagner
Diana Warren
Oscar Wilcox
Lara Witwick
Casper Wong
Katherine Wu
Jennifer Yang
Isabella Yee
McKenzie Young
Peter Zhong
Julia Zimmler

ROTC OFFICER COMMISSIONING

U.S. Air Force
Chiara Rissola, 2nd Lieutenant

U.S. Army
Ethan C. Carter, 2nd Lieutenant

U.S. Navy
Matthew E. Kinkead, Ensign

Years in Review 2020-2024

It's been a remarkable four years at Carnegie Mellon.
Here are some of the highlights.

Isabelle Bajeux-Besnainou Named as New Dean of CMU's Tepper School of Business

JULY 2020 – After an international search, Isabelle Bajeux-Besnainou was appointed as the 10th dean of Carnegie Mellon University's Tepper School of Business. She also holds a faculty appointment as a professor of finance. Bajeux-Besnainou began her new role at Carnegie Mellon in October 2020.

Tartans All In. Everywhere

SEPTEMBER 2020 – As the COVID-19 pandemic persisted, Tartans all around the globe embraced their collective responsibility to keep themselves and their neighbors healthy by participating in Tartans All In, a university initiative aimed at promoting a culture of shared responsibility for the safety of all community members.
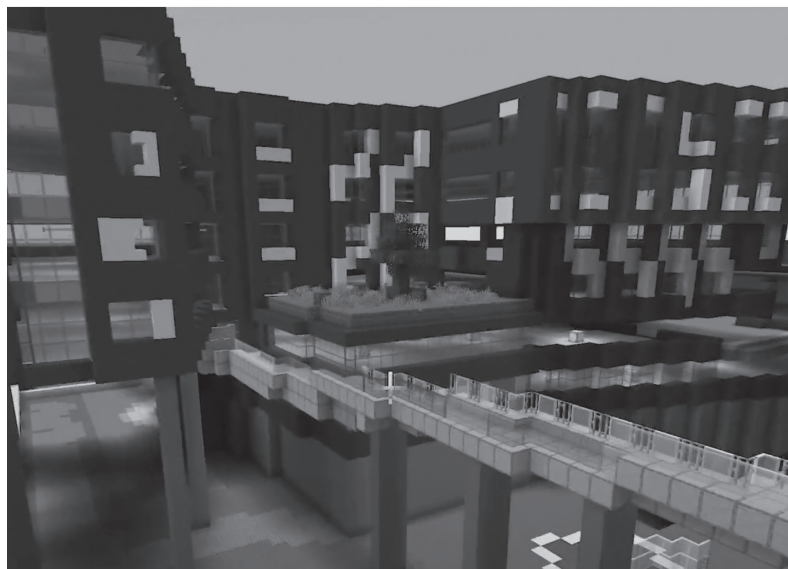
Interns Innovate for Societal Impact

AUGUST 2020 – Tala Habbab, a master's student in the Integrated Innovation Institute, created *The COVID-19 Innovation Project* as an internship alternative for 250 students from around the world whose lives and previous internship plans had been interrupted by the coronavirus pandemic. With guidance from SLICE, Habbab divided the students into 45 teams to address issues related to educational quality and access and food insecurity, as well as environmental, social, economic or medical impact.

CMU Student Recreates Campus in Minecraft

OCTOBER 2020 – Carnegie Mellon College of Engineering student Jared Cohen missed the CMU campus so much that he pulled some friends together — virtually, of course — and utilized some of their quarantine time to recreate the CMU campus in Minecraft … block by block.
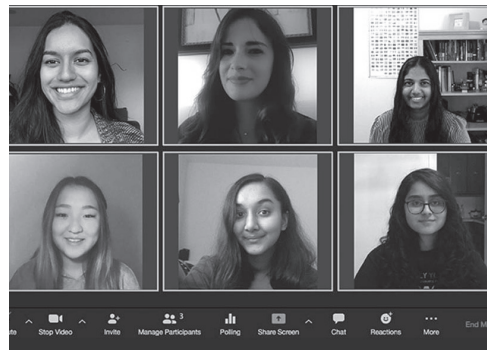
CMU Has Network Advantage in Fight Against COVID-19: Po-Shen Loh uses Six Degrees of Kevin Bacon To Help Fight COVID-19

SEPTEMBER 2020 – Mathematics faculty member Po-Shen Loh pulled information and talent from many schools and colleges across CMU to design, implement, promote and expand his solution for fighting COVID-19, which uses math at its core. The smartphone app, called NOVID, gives users a heads-up when someone in their user network has tested positive for COVID-19.

CMU Completes Voluntary Review of Sustainable Development Goals

SEPTEMBER 2020 – CMU strengthened its commitment to sustainability by releasing its Voluntary University Review (VUR) of the Sustainable Development Goals (SDGs) — the first such review in the world — with the intention that CMU's VUR will be a framework for us to track what we are doing across the 17 Global Goals and where we might find opportunities to do more. The VUR sends a strong signal that universities are a critical partner in achieving these 17 ambitious goals by 2030.

Campus Traditions Go Virtual

OCTOBER 2020 – Some of the most treasured CMU fall semester traditions were held virtually due to the COVID-19 pandemic. Tartans around the world came together for the first-ever virtual Homecoming weekend filled with contests, web events and other activities like critical conversations, tours, cooking demos and talent competitions. The theme of Tartan Community Day centered around the power of rest, with afternoon and evening sessions featuring activities that inspired connection to self, connection to others and connection to our Tartan community.

Community App Keeps Students Connected at a Distance

OCTOBER 2020 – Snehita Sana and Nina Zanarelli polled fellow students and found that many were suffering during the pandemic due to a disconnection to their community, not knowing what resources were available to help them, and general social and academic anxiety. To give all CMU students the opportunity to live their university experience to the fullest, wherever they were, they created The College Community App, which allows students to create study groups with their classmates, stay up-to-date on CMU events and find peer support and university resources.

SWEet Success:
Bridging the Gender Gap in STEM

NOVEMBER 2020 – The CMU chapter of the Society for Women Engineers (SWE), one of the larger student organizations at CMU, has a mission to support women in STEM, whether that be engineering, math or science. Despite the virtual setting this year, their marquee event — the Technical Opportunities Conference, a career fair that brings hundreds of companies to campus to interview thousands of students for internship and job openings — attracted almost 170 companies and nearly 3,000 student attendees.

CMU Students Work To Get Out the Vote

NOVEMBER 2020 – During the 2020 election, CMU students built coalitions, held virtual voter registration drives, advocated and petitioned, hosted educational programs and championed civil discourse all in an effort to grow voter engagement among the CMU community.

Advocacy Through Pageantry

DECEMBER 2020 – While many took up baking or knitting during the pandemic quarantine, Shriya Boppana, a Tepper undergraduate, picked up pageantry not to show her skills or fill time during quarantine, but a way to promote a cause that was close to her heart — ending human trafficking in India and Nepal. Boppana and her friend, Surabhi Khanal, founded an organization in 2016 called Save Our Stars to do just that.

Using Machine Learning To Feed Families in Need

NOVEMBER 2020 – Researchers in the Robotics Institute used machine learning to create optimal, efficient bus routes that allow community nonprofit organizations to deliver meals to senior citizens, as well as K-12 students and families who would otherwise rely on schools for free meals. Nearly 6,000 meals are delivered each month.

CMU Student Named First Black Recipient of AGMA Scholarship

DECEMBER 2020 – David Ajoku, a master's student in mechanical engineering and engineering and technology innovation management, was awarded the American Gear Manufacturing Association (AGMA) Foundation's scholarship. Ajoku is the first Black student to receive this award since the program began in 2010.

Heading-Grant Named CMU's Vice Provost for Diversity, Equity and Inclusion

JANUARY 2021 – Wanda Heading-Grant was selected as Carnegie Mellon University's inaugural vice provost for Diversity, Equity and Inclusion (DEI) and chief diversity officer. Heading-Grant, who was formerly vice president for DEI at the University of Vermont, began her new role at Carnegie Mellon on April 1. She also holds a faculty appointment as Distinguished Service Professor in the Heinz College of Information Systems and Public Policy.

Brothers Complete Long Journey to Doctorates

JANUARY 2021 – Brothers Andrew and Henry DeYoung — both afflicted with spinal muscular atrophy, a progressive neuromuscular disease that restricts the use of their hands and requires them to rely on breathing equipment and wheelchairs — have accomplished something very few siblings do: They defended their doctoral theses at Carnegie Mellon University within a few weeks of each other. Henry defended in December, and Andrew defended in January.

CMU Students Train AI To Write Book of Limericks

FEBRUARY 2021 – Students in Rita Singh's Introduction to Deep Learning course created an Artificial Intelligence (AI) for writing poetry in order to explore how AI might capture elements of artistic expression that are hard to quantify. The AI generated a virtually endless stream of poetry — thousands of poems — from which the students manually selected the 100 to 200 limericks that merited publication. The result is the first AI-generated book of limericks, "For You, Humans," which is now available for sale on Amazon.

FROM LEFT, CMU DRAMA STUDENTS RAYVEN BAILEY, TARA CLINKSCALES AND KHAILAH JOHNSON PERFORM "SALTY TEARDROPS" FROM THE MUSICAL "CAROLINE, OR CHANGE" DURING "BRING ME TO LIGHT," THE 2020 VIRTUAL CABARET.

CMU Highlighted in New American Theatre Wing Documentary
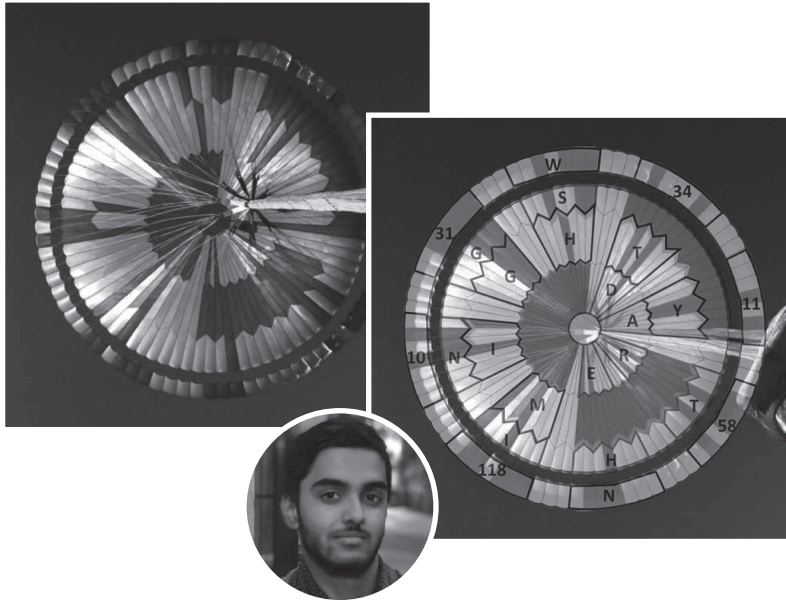
FEBRUARY 2021 – The American Theatre Wing (ATW) featured Carnegie Mellon in an episode of "Working in the Theatre," ATW's Emmy-nominated documentary series. CMU is one of three schools to be featured in the series (the others are The State University of New York and American Conservatory Theater, San Francisco). The documentary focused on challenges presented to students, faculty and staff during the COVID pandemic, as well as how CMU pivoted to successfully move forward.

CMU, Pitt Launch Center Dedicated To Combating Extremist Hate

MARCH 2021 – Carnegie Mellon University and the University of Pittsburgh jointly launched a new center to study extremist hate. Scholars at both universities will partner through the Collaboratory Against Hate – Research and Action Center to develop effective tools that inhibit hate's creation, growth and destructive consequences. The center will bring together the collective expertise from all relevant disciplines — including computer science, data science, social sciences, psychology, psychiatry and the law — as collaborators seek to better understand and combat hatred based on race, ethnicity, religion, gender identity, sexual orientation and other prejudices.

CMU Graduate Student Cracks Mars Rover Code

MARCH 2021 – Adithya Balaji, a master's degree candidate in computer science with a passion for rocketry, took note of the coloring and pattern of the parachute on NASA's Mars Perseverance rover, initially thinking they were likely functional, perhaps for aligning cameras. After a NASA engineer suggested that there was a coded message in the parachute's design, Balaji quickly got to work and solved the puzzle. The parachute design contained a code that translated to DARE MIGHTY THINGS, the motto of NASA's Jet Propulsion Lab (JPL).
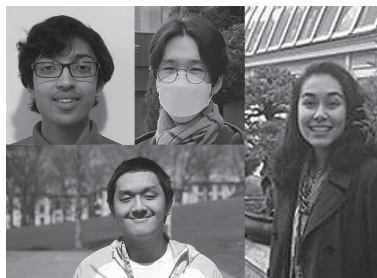

CMU Senior Named a Gaither Junior Fellow

MARCH 2021 – Graduating senior Jacob Feldgoise's work on local, state and national policy issues earned him a place as one of 13 James C. Gaither Junior Fellows at the Carnegie Endowment for International Peace. Gaither Junior Fellows seek out individuals who are leaders in their scholarly and professional areas, with great potential to shift their fields in the course of their careers.

Carnival + Reunion Week

APRIL 2021 – For the first time, CMU extended their most anticipated spring tradition to a full week with online tours, entertainment, panels, contests, a Virtual 5K and more. With record-high registration numbers and great attendance throughout the week, this year's Virtual Spring Carnival and Reunion events reached Tartans across the globe.

Four Tartans Among 2021 Goldwater Scholars

MARCH 2021 – Juniors Arvind Mahankali, Ethan Lu, Esther Bedoyan and Jinhyung (David) Park were among 410 Goldwater Scholars named by the Barry Goldwater Scholarship and Excellence in Education Foundation. The four students were chosen from a pool of more than 5,000 college sophomores and juniors.

CMU Recognized for Commitment to First-Gen Students

MARCH 2021 – Carnegie Mellon has been designated a First-Gen Forward university for its commitment to improve the college experience for first-generation students. CMU received the honor from the Center for First-Generation Student Success, an initiative of NASPA — Student Affairs Administrators in Higher Education and The Suder Foundation, which selected CMU into its third cohort (2021-22) of member schools. More than 9% of the university's student population are first-gen students.

CMU Golf Teams Receive National Recognition

MAY 2021 – Carnegie Mellon's men's and women's golf teams took the national stage during their respective NCAA Championships. Turning in the program's best finish, the men's team finished in fourth place. In their second appearance at the championships since 2018, the women's team finished in second place as the national runner-up.

CMU's Aldrich Coaches in Tokyo Olympic Games

JULY 2021 – Gary Aldrich was the first from Carnegie Mellon to coach in the Olympics. Aldrich guided the U.S. men's team in the shot put, discus, hammer and javelin. This was the seventh time Aldrich has coached Americans in international competition, including stops in Mexico, London, Toronto and Barcelona.

Carnegie Mellon and Emerald Cloud Lab to Build World's First University Cloud Lab

AUGUST 2021 – Carnegie Mellon and Emerald Cloud Lab have partnered to build the world's first cloud lab in an academic setting. The remote-controlled lab will provide a universal platform for AI-driven experimentation and will democratize science for researchers and students who are often limited by the cost, location or availability of equipment.

NROTC Steps Up to Honor the Victims and Heroes of 9/11

SEPTEMBER 2021 – The Steel City Naval Reserve Officers Training Corps (NROTC) gathered at the 20-yard-line of Gesling Stadium to begin a workout that would commemorate the 20th anniversary of the September 11 terrorist attacks. The workout began at 8:46 a.m., the time American Airlines Flight 11 struck the North Tower of the World Trade Center, and involved climbing the stadium steps 17 times, which is roughly the equivalent of climbing all 110 stories of the World Trade Center and enough to ensure one step was climbed for each of the 2,996 people who died in the attacks.

CMU's Posner Lays Track for Future of Rail Transit

AUGUST 2021 – Henry Posner, chairman of the Railroad Development Corporation and an adjunct professor at CMU, furthered his vision for a rail-based mass transit system in the United States with the creation of Pop-Up Metro — a battery-powered, modular train that can be inserted onto existing infrastructure. Posner, who teaches the history class "The American Railroad — Decline and Renaissance in the Era of Deregulation," imported remanufactured passenger railcars from Britain and retrofitted them with battery technology. The battery train is the only one of its kind in the Western Hemisphere.

CMU Opens New Residence Hall and Community Space on Fifth Avenue

SEPTEMBER 2021 – Carnegie Mellon opened Fifth and Clyde House, a new six-story residence hall, and the Fifth Avenue Neighborhood Commons, a 5,000 square-foot community space inside the building, where students, faculty and staff can meet to nurture and strengthen community and connection. The commons includes music jam rooms, dance rooms and study nooks. At the heart of the commons is a hearth, a place to gather, talk and relax.

We're Back!

SEPTEMBER 2021 – Carnegie Mellon students and faculty returned to in-person instruction for the fall semester after 18 months of online classes due to the COVID-19 pandemic. The consensus across campus was that nothing beats learning and teaching in person.

Team Explorer Prepares for Final Round of DARPA SubT Challenge

SEPTEMBER 2021 – Team Explorer, the SubT Challenge entry from Carnegie Mellon and Oregon State University, traveled to the Mega Caverns cave complex in Louisville, Kentucky in an attempt to bring home the $5 million prize money in the final round of the DARPA SubT Challenge, a competition to develop technologies needed by military and civilian first responders to operate in underground environments that are potentially unsafe for humans.

'All Behaviors Welcome' to New Concert Series

NOVEMBER 2021 – Carnegie Mellon's Monique Mead, director of music entrepreneurship at CMU, and a team of graduate students in her "Collaborative Project in Music Entrepreneurship" course, brought Azure concerts to Pittsburgh. The concerts were named for a shade of blue associated with calming and acceptance for people on the Autism spectrum and other related challenges.

Lackner Built a Winning Football Family at Carnegie Mellon

DECEMBER 2021 – Carnegie Mellon football coach Rich Lackner retired after 36 years at the helm following the 2021 season. Lackner, an inaugural inductee into CMU's Hall of Fame, was known for building a program characterized by its close-knit culture, a network of hundreds of football alumni and a moral compass of the highest integrity. He left CMU with 233 wins, 12 conference championships and seven Coach-of-the-Year awards.

CMU Students Prepare to Send Rover to Moon

DECEMBER 2021 – Carnegie Mellon's Iris rover was secured to one of the payload decks of Astrobotic's Peregrine Lunar Lander, which will deliver it to the moon next year. The shoebox-sized Iris aims to be the first American, student-developed, smallest and lightest rover to land on the moon. It is equipped with cameras to facilitate both its guidance and scientific observations of the moon's terrain and rock formations.

CMU Invites Students to Explore Artificial Intelligence with Opening of JPMorgan Chase & Co. AI Maker Space

JANUARY 2022 – This 2,000-square-foot AI maker space facility located in the Tepper School of Business was opened to allow Carnegie Mellon students to develop cutting-edge AI technologies. Unlike traditional maker spaces, which focus on building hardware, the AI maker space concentrates on software development. The space houses state-of-the-art hardware available to students, who also have access to associated software packages and massive datasets to pursue independent research and complete projects.

CMU Hosts Groundbreaking Ceremony for New Beacon of Student Life

JANUARY 2022 – Carnegie Mellon broke ground for the new Highmark Center for Health, Wellness and Athletics, a $105-million facility that will open in fall 2024 and convert the southeast corner of campus into a hub for students' well-being.

Senior Greta Markey Earns Marshall Scholarship

FEBRUARY 2022 – Carnegie Mellon's Greta Markey received the highly competitive Marshall Scholarship, which is awarded to fewer than 50 Americans each year to fund graduate education in the United Kingdom. She is the fifth CMU student to receive the award since 1955. Markey, a senior double major in civil and environmental engineering and engineering and public policy, will study environment and international development at the University of East Anglia and its Water Security Research Center.

Design Students Envision New Ways to Provide Relief in a Water Crisis

JANUARY 2022 – In partnership with Bollinger Motors, the eight students in Eric Anderson's Product Design 3 course configured one of the company's B2 trucks to help first responder mobile water filtration systems deliver drinking and cleaning water to residences within the first 48 hours of a crisis — filling the gap until larger emergency response systems and organizations come online. The students took advantage of the truck's design features such as a patented pass-through channel to create innovative water filtration and delivery systems.

EPA Names CMU One of Top 30 Green Power Universities

DECEMBER 2021 – The Environmental Protection Agency ranked Carnegie Mellon 11th in its Top 30 College and University List as part of its Green Power Partnership. CMU began purchasing renewable energy in 2001 with 5% of the university's electricity usage fueled by wind power. At that time, it was the largest-ever retail purchase of wind-generated electricity in America. Twenty years later, CMU purchases renewable energy for all of its electricity needs.

CMU Student Competes in Jeopardy! National College Championship

FEBRUARY 2022 – Carnegie Mellon senior and self-proclaimed trivia nut Kristin Donegan competed in the Jeopardy! National College Championship, advancing to the semifinals. She had been trying out for Jeopardy! regularly since she arrived at CMU as a first-year student. Donegan wasn't the only one in her family who's a trivia ace — her fraternal twin sister, Ciara, a senior at the University of Maryland, appeared on the game show a few weeks later.

CMU Earns Gold Rating for Commitment to Green Practices, Sustainability

MARCH 2022 – Carnegie Mellon was awarded its second consecutive gold ranking by the Association for the Advancement of Sustainability in Higher Education for its sustainability performance in five categories: Academics, Engagement, Operations, Planning and Administration, and Innovation and Leadership. Carnegie Mellon earned a silver rating in 2015 and its first gold award in 2019.

Campus Community Rises Up Against Hunger

FEBRUARY 2022 – After a two-and-a-half-year hiatus due to the COVID-19 pandemic, more than 250 members of the Carnegie Mellon community came together to package 58,536 meals in a Rise Against Hunger event in Wiegand Gymnasium. Rise Against Hunger is a growing global movement to end hunger by empowering communities through agriculture and income-generating initiatives, nourishing lives through safety net programs and responding to emergencies through crisis relief. The meals, which were shipped to Haiti, included enriched rice, soy protein, dried vegetables and 20 essential vitamins and nutrients.

Adventurously Themed "Ad Astra," Spring Carnival Returns to Campus for In-Person Fun

APRIL 2022 – Andrew Carnegie must have been smiling from above. For the first time since 2019, Carnegie Mellon's Spring Carnival, the most celebrated university tradition, returned to campus in person and in full glory with thousands of Tartans enjoying all the traditional favorites, including Booth, Buggy and Mobots. The Sweepstakes Races, a.k.a. Buggy, celebrated 100+ years this spring as they began in 1920 as part of Campus Week.

Undergraduate Women Use Political Power to Create Change

MARCH 2022 – Undergraduate women at Carnegie Mellon are impacting local and national politics through involvement in student groups like Women in Politics at CMU and Feminists Engaged in Multicultural Matters and Education (F.E.M.M.E.). The groups strive to educate students by demonstrating the power of political participation, encourage women and minority students to recognize politics as an effective means of personal empowerment and educate the campus community on societal marginalization through an intersectional feminist lens.

Carnegie Mellon University and Mastercard Foundation Partner To Drive Youth-led Digital Transformation in Africa

SEPTEMBER 2022 – Carnegie Mellon University and the Mastercard Foundation, in collaboration with the Government of Rwanda, have entered into a transformational partnership in higher education and innovation in Africa to catalyze opportunities for 10,000 young people to engage with emerging technologies and lead the digital transformation of the continent. The $275.7 million investment from the foundation includes a $175 million endowment to perpetually fund Carnegie Mellon Africa and $100.7 million to establish CMU-Africa's Center for the Inclusive Digital Transformation of Africa.

Guiding the Clean Energy Transition

SEPTEMBER 2022 – The first-ever Global Clean Energy Action Forum drew members of the global energy community to Pittsburgh to share their ideas on how to move toward a clean and sustainable future. Carnegie Mellon University was a co-sponsor with the Department of Energy in hosting the conference.

Installation Ceremony Officially Welcomes CFA Dean

OCTOBER 2022 – Mary Ellen Poole was officially installed as Carnegie Mellon University's 13th Stanley and Marcia Gumberg Dean of the College of Fine Arts in Kresge Theatre on Thursday, Sept. 29. A well-known musicologist, she also will hold a faculty appointment as a professor of music. Throughout her career, she has consistently advocated for increased performance opportunities for student ensembles.

Undergraduate Researches the Impact of COVID-19 on Gender Identity

SEPTEMBER 2022 – During the COVID-19 pandemic, psychology major Alana Silva-Cacdac saw close friends in isolation begin to question their gender identity. With the help of her Summer Undergraduate Research Fellowship, Silva-Cacdac was able to conduct research to better understand how gender identify is formed.

Movie Math: Tetali's Equations Seen in Film

OCTOBER 2022 – Prasad Tetali, the Alexander M. Knaster Professor and head of the Department of Mathematical Sciences in the Mellon College of Science, wrote the on-screen calculations in the Paramount+ movie *Jerry & Marge Go Large* to explain how the math in a legal lottery loophole would work.

Tartans Celebrated for Their Exceptional Academic Standing

DECEMBER 2022 – Thirty-one of the highest-achieving juniors and seniors were recognized for their commitment, passion and success in the classroom at the annual Student-Athlete Academic Achievement Celebration. Collectively, the honored students hold a 3.87 grade-point average. A dozen of them have perfect 4.0 GPAs. And together, they've helped the Tartans achieve record-setting athletic results.

Bill Sanders Installed as the Dr. William D. and Nancy W. Strecker Dean

DECEMBER 2022 – A long-awaited ceremony to formally install William H. Sanders as the 15th dean of the College of Engineering and celebrate the extraordinary gift to establish the Dr. William D. and Nancy W. Strecker Dean's Chair that Sanders now holds was held on Thursday, Nov. 3. Sanders joined Carnegie Mellon in January 2020 only months after the dean's chair was created and just weeks before the campus transitioned to remote instruction status in response to the COVID-19 outbreak, causing the university to postpone the ceremony.

Inspiring the Next Generation of Artists

JANUARY 2023 – The 2022 winner of the Excellence in Theatre Education Award, Roshunda Jones-Koumba, and her students at G.W. Carver Magnet High School in Houston, Texas received a special visiting master class by faculty and alumni from the School of Drama. The award was created through a partnership between CMU and the Tony Awards to annually recognize a K-12 theatre educator in the U.S. who embodies the highest standards of the profession and demonstrates a positive impact on the lives of students, advancement of the theatre profession and a commitment to excellence.

CMU Pairs with Penguins on Autonomous Zamboni Machine

JANUARY 2023 – A student team from CMU's Robotics Institute dubbed "AI on Ice" has partnered with three organizations, including the Pittsburgh Penguins, to improve rink ice consistency using artificial intelligence.

Theresa Mayer Named Vice President for Research

JANUARY 2023 – Theresa Mayer was named CMU's new vice president for research. The Office of the Vice President for Research advocates for university research through global thought leadership; provides central research administration; supports a culture of ethical research and compliance; promotes economic development through technology transfer and entrepreneurship; builds new and diverse research partnerships with industry, government and nonprofit entities; and works with colleagues across campus to support university-wide research initiatives and creative endeavors.

CMU Named Top Producer of Fulbright U.S. Students

FEBRUARY 2023 – Carnegie Mellon University was named a top producer of Fulbright U.S. students by the U.S. Department of States' Bureau of Educational and Cultural Affairs. In the academic year 2022-23, 10 students and recent alumni were selected for the international education program, which provides funding to teach English, pursue graduate studies or conduct research abroad. CMU has been a part of the Fulbright program since the inaugural class in 1949. Since then, 122 Tartans have been selected.
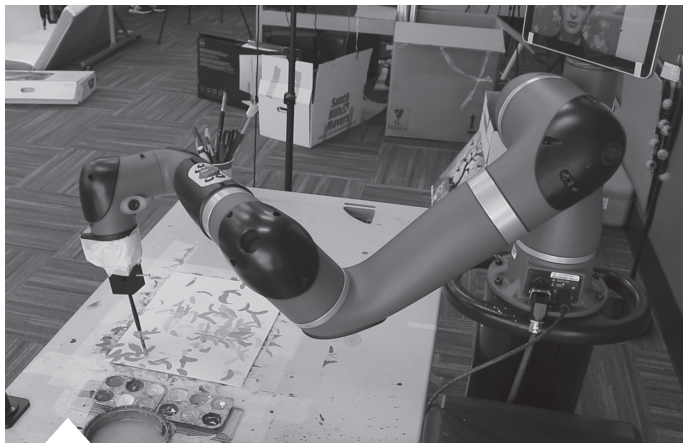
Carnegie Mellon, Rales Foundation Announce Groundbreaking Initiative To Broaden Access to STEM Education

FEBRUARY 2023 – A $150 million gift from the Norman and Ruth Rales Foundation will establish the CMU Rales Fellows Program that will cultivate a new generation of domestic STEM leaders while eliminating cost as a barrier to graduate education. Empowering students from underrepresented and under-resourced backgrounds — dubbed the Missing Millions by the National Science Foundation — through a graduate degree will increase the number and diversity of voices within STEM research, education and innovation, and also will help the U.S. meet the growing need for a new generation of leaders.
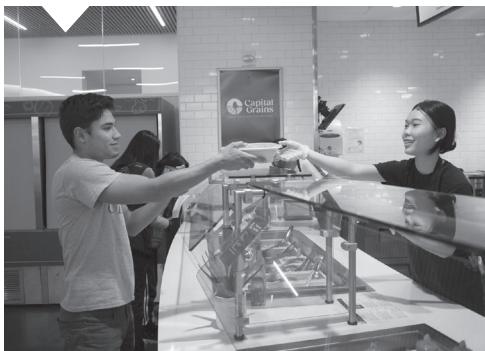

New Student-Run Eatery Opens in the Tepper Building

FEBRUARY 2023 – Capital Grains, a new student-run eatery in the Tepper Building, will provide another nutritious dining option on campus and an opportunity for students to grow their skills in restaurant management and operations. The eatery is a first-of-its-kind for Chartwells, which oversees the dining experience at CMU and about 300 other college and university campuses nationwide.

Carnegie Mellon's AI-Powered FRIDA Robot Collaborates with Humans To Create Art

FEBRUARY 2023 – CMU's Robotics Institute has created a robotic arm that uses artificial intelligence to collaborate with humans on works of art. FRIDA, named after Frida Kahlo, stands for Framework and Robotics Initiative for Developing Arts. The robot uses AI models similar to tools like OpenAI's ChatGPT and DALL-E 2, which generate text or an image, respectively, in response to a prompt. FRIDA simulates how it would paint an image with brush strokes and uses machine learning to evaluate its progress as it works.

Doctoral Research Reaches Public in 3MT Championship

MARCH 2023 – Durva Naik from the Department of Materials Science and Engineering took first place at the annual Three Minute Thesis competition. Each year, doctoral candidates compete to explain their research in three minutes in language simple enough for a general audience to understand. The event, which is in its eighth year at Carnegie Mellon, started at the University of Queensland in 2008 and has been adopted by over 900 universities across more than 85 countries worldwide.

Team Wins Air Force Research Laboratory AI Grand Challenge

MARCH 2023 – A team of collaborators from Carnegie Mellon University and the University of North Carolina at Chapel Hill won Phase 1 of the National Security Innovation Network-sponsored Air Force Research Laboratory Active AI Planners for Chemistry/Materials Optimization and Discovery Grand Challenge. The challenge includes the potential of a $500,000 contract to develop a machine learning artificial intelligence system that can help researchers quickly find appropriate experimental conditions for optimizing and discovering new synthetic compounds using multisystem approaches.

Iris Rover Team Prepares for Upcoming Launch

MARCH 2023 – A CMU student-built moon rover called Iris is scheduled to head to the moon this year. The rover will be the first American lunar rover, the first student-developed rover, the smallest and lightest rover, and the first with both a carbon fiber chassis and wheels. The Iris mission demonstrates what is possible and could chart the future of planetary exploration.

NATICIONAL CHAMPIONS! Men's Golf Wins the First NCAA Team Title in CMU Athletics History

MAY 2023 – The CMU men's golf team made history by winning the first NCAA Division III Championship in university history.
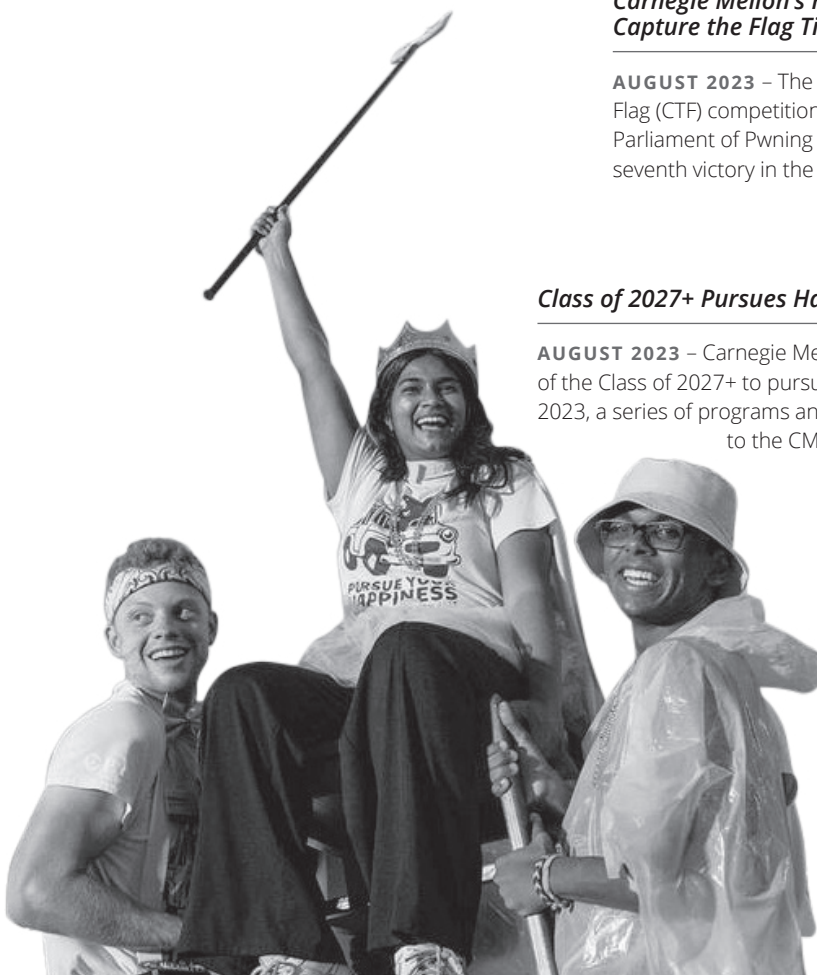

Carnegie Mellon's Hacking Team Wins 7th DEF CON Capture the Flag Title

AUGUST 2023 – The winningest team in DEF CON's Capture the Flag (CTF) competition history, Carnegie Mellon University's Plaid Parliament of Pwning (PPP), defended its title and earned its seventh victory in the past 11 years.

Class of 2027+ Pursues Happiness at Orientation

AUGUST 2023 – Carnegie Mellon University invited the 1,722 members of the Class of 2027+ to pursue their happiness through Orientation 2023, a series of programs and activities welcoming the new Tartans to the CMU community.

Carnegie Mellon Qatar Students Win Top Food Tech Idea for Printing Vegetables

AUGUST 2023 – Two students at Carnegie Mellon University in Qatar (CMU-Q), a Qatar Foundation partner university, won top prize in the food technology category at the Business Incubation and Acceleration Hackathon, hosted by Qatar Development Bank (QDB). Mohammad Fadhel Annan and Lujain Al Mansoori created an idea for 3D-printed vegetables, an alternative to farming that could bolster food security in places like Qatar, where there is little arable land.

CMU Robot Puts on Shirts One Sleeve at a Time

AUGUST 2023 – Researchers at CMU's Robotics Institute have developed a robot-assisted dressing system that leverages the capabilities of artificial intelligence to accommodate various human body shapes, arm poses and clothing selections. Each time the robot properly placed a garment further along a person's arm, it received a "reward." Through continued reinforcement, they increased the system's learned-dressing strategy success rate.

SURF Grant Supports Student's Exploration of Pittsburgh's 'Forgotten' Communities

SEPTEMBER 2023 – With an open mind and a free bus pass built into her Carnegie Mellon University Student ID card, Hannah Lesser, a double major in communication design and social and political history, used her SURF grant last summer to explore Pittsburgh's "forgotten" neighborhoods to better understand complicated ideas of wealth and resource distribution, class, socioeconomics and, most importantly, human stories.

Carnegie Mellon University Payloads Iris, MoonArk Launch as Part of Historic Lunar Mission

JANUARY 2024 – Payloads from CMU launched to the moon at 2:18 a.m. on Monday, Jan. 8, as part of America's return to the lunar surface for the first time in 50 years. Iris, a tiny rover, and MoonArk, a collaborative sculpture project, were bolted to Peregrine, a lunar lander built by CMU-spinout Astrobotic. The projects brought together students from every school at CMU.

CMU's Iris Rover: A Heartbeat in Space, A Legacy on Earth

JANUARY 2024 – When CMU students learned that their student-designed and built moon rover named Iris wouldn't reach the moon after all, they transformed their Florida rental home into an impromptu command center and decided to make the most of any time remaining of the rover's journey.

MSBA Students from the Tepper School of Business Showcase Google's Generative AI Potential in Hackathon

JANUARY 2024 – In a recent Google hackathon hosted by Carnegie Mellon University's Tepper School of Business, Master of Science in Business Analytics students explored the potential of Google's generative AI products. The event highlighted the practical applications and creative exploration of artificial intelligence within business.

Students Explore Freedom of Speech in Grand Challenge Seminar

JANUARY 2024 – A new Grand Challenge Seminar in Carnegie Mellon University's Dietrich College of Humanities and Social Sciences offered 40 first-year students a comprehensive exploration of the principles, controversies and significance of freedom of speech and academic freedom.

CMU Students Travel to Geneva for UN Meeting on Disarmament

JANUARY 2024 – Three CMU students — Camden Johnson, Cameron Shapiro and Tatym Rasmussen — were selected by Mines Action Canada and CMU's Sustainability Initiative to visit the United Nations and participate in the 21st Meeting of the States Parties to the Convention on the Prohibition of the Use, Stockpiling, Production and Transfer of Anti-Personnel Mines and on Their Destruction in Geneva.

CMU Basketball Team Honors 'Secret Game' of 1944

FEBRUARY 2024 – CMU basketball players paid tribute to what came to be known as "The Secret Game" between members of the North Carolina College for Negroes (now North Carolina Central) and the Duke medical school basketball team on a Sunday morning in May 1944. The game defied Jim Crow segregation laws and had the players facing potential jail time and physical threats for playing an exhibition game behind locked doors.

CMU-UBC Team Wins Challenge To Advance Parkinson's Disease Research

FEBRUARY 2024 – Mellon College graduate students Ben Koby, Filipp Gusev and Evgeny Gutkin were part of the CMU team that tied for first place in the Critical Assessment of Computational Hit-Finding Experiments (CACHE) Drug Discovery Challenge #1 based on the novelty of their methods and effective results in finding a potential treatment for Parkinson's disease.

Doctoral Researchers Shine in 3MT Championship

MARCH 2024 – Nine CMU doctoral students explained their complex research and its importance in under three minutes during the championship round of CMU's Three Minute Thesis (3MT) competition, held Thursday, March 14. First place was awarded to Benjamin Glaser from Materials Science & Engineering.