School of Computer Science

Sample Resumes

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Undergraduate Sample Resume	3
Senior Sample Resume	, +

Pixel Linux

student@andrew.cmu.edu| (XXX) XXX-XXXX |

EDUCATION

Carnegie Mellon University, Pittsburgh, PA

Bachelor of Science in Computer Science May 20XX Selected Coursework: Principles of Imperative Computing, Mathematical Foundations for Computer Science

Thomas Jefferson High School for Science and Technology, Pittsburgh, PA

Jefferson DiplomaJune 20XX, GPA 4.1Selected Coursework: Selected Coursework: AP Computer Science + Data Structures, ArtificialIntelligence 1 & 2, Parallel Computing 1 & 2, Web App Development, Mobile App Development

SKILLS

Languages: C, C++, Java, Python, Javascript, HTML, CSS, LaTeX Technologies: Android, iOS, Oculus, FireBase

PROJECT EXPERINCE

Graphing 3D Surfaces Using Virtual Reality, August 20XX-May 20XX

- Developed an application for viewing mathematical three-dimensional surfaces using an Oculus virtual reality headset and Leap Motion Sensors.
- Programmed the Oculus, wrote the graphics, and worked on the mathematical component of the software.

Frost, August-December 20XX

- Designed a website that visualizes the spending distribution of various institutions (colleges, governments, charities) so that users can know where their money is going when they donate money or pay taxes.
- Used javascript and python, wrote the web server and most of the backend that allowed the website to function.

1Direction, August-December 20XX

• Developed a game using a Sphero robot and Android app. Wrote most of the framework for the mobile app in Java.

Joyride, September 20XX

- Created an application using General Motor's API and web development languages to create a social game that rewards people for driving safely.
- Wrote the database and much of the other backend code using javascript.

CoMAPorate, February-April 20XX

- "Wikipedia for Maps." A website for handling a database of maps on the scale of schools or shopping malls created by users.
- Wrote the backend for the webserver, and the database for storing and editing the maps, and the code for user interaction that allowed users to edit the maps.

SELECTED AWARDS

USA Computing Olympiad Gold/Platinum Divison Fannie Mae Sponsored Prize, YHack University of Maryland HS Programming Contest 1st Place National Merit Scholar

Dee Compression

Only use this two column format for nononline applications

STUDENT@cmu.edu | (XXX) XXX-XXXX

EDUCATION

CARNEGIE MELLON UNIVERSITY

B.S. IN COMPUTER SCIENCE ADDITIONAL MAJOR IN PHYSICS

Expected May 20XX | Pittsburgh, PA Dean's List FXX, SXX, SXX Cum. GPA: 3.82 /4.00

LINKS

Github:// DeeCompression LinkedIn:// dee-compression

COURSEWORK

CURRENT

Operating Systems Practicum Compiler Design Introduction to Computer Music

COMPLETED

Operating Systems Algorithm Design and Analysis Parallel Data Structures and Algorithms Competition Programming Principles of Software Constructions Introduction to Computer Systems Introduction to Functional Programming Theoretical Ideas in Computer Science Principles of Imperative Computation

SKILLS

PROGRAMMING

Over 5000 lines: C•Java•C++•Python•Javascript Shell • React Native • LabVIEW Over 1000 lines: SML•Raw HTML/CSS•Swift Familiar: SQL•Assembly• & TFX

LANGUAGES

Fluent: English Pro icient: Spanish

EXPERIENCE

CARNEGIE MELLON UNIVERSITY | HEAD TEACHING ASSISTANT

Spring 20XX - Present | Pittsburgh, PA

- Serving as Head TA, leading 30+ TAs to teach over 400 students
- Taught introductory CS reasoning skills, data structures, and Clanguage concepts

AURORA INNOVATION | ONBOARD INFRASTRUCTURE INTERN

May 20XX- Aug 20XX| Palo Alto, CA

- Built a tool to programmatically assign processes to various CPUs on the vehicle based on prior CPU utilization
- Developed code to monitor network traffic and alert the vehicle operator when network traffic crosses a certain threshold
- Created tools to allow for remote analysis of CPU usage and network latencies

MINERVALLC | LEAD FRONT-END DEVELOPER

- May 20XX September 20XX | Rockville, MD
 - Developed the front end for a type one diabetes application

LOCKHEED MARTIN | SOFTWARE ENGINEERING INTERN

May 20XX – Aug 20XX | Rockville, MD

- Created an API Wrapper for an internal tool to enable programmatic access
- Produced a Python based script to analyze Lockheed Martin's supplier network

NASA | SOFTWARE ENGINEERING INTERN

Summers, 20XX and 20XX| Fairmont, WV

- Updated test scripts for the Orion Multi-Purpose Crew Vehicle to work with a new testingframework
- Designed testing APIs to decrease the necessary time to create new test scripts

PROJECTS

COMPUTER OPERATIONS RESEARCH GROUP | RESEARCHER

Fall 20XX - Present | Pittsburgh, PA

- Developed a new computer architecture to speed up common algorithms
- Preliminary results show up to 50% speed-up over traditional architectures
- Language: C/C++

CARNEGIE MELLON RACING | FIRMWARE DEVELOPER

Fall 20XX - Present | Pittsburgh, PA

- Building the firmware for an electric car with a small group of dedicated people
- Managing a complex system combining multiple embedded real-time systems communicating through CAN buses
- Language: C

Al Gorithm

Phone: XXX-XXX-XXXX | Email: student@andrew.cmu.edu

Education

Carnegie Mellon University Pittsburgh, PA Bachelor of Science in Computer Science, Minor in History, QPA: 3.14/4.00

Selected Coursework:

Operating System Design and Implementation (current), Introduction to Computer Systems, Parallel and Sequential Data Structures and Algorithms, Great Theoretical Ideas in Computer Science

Project Experience

Google CodeU

January-May 20XX

May 20XX

- Collaborated with a team of peers to design and build a web application using Java, JavaScript, HTML/CSS, Java servlets, AppEngine, and the Google Cloud Platform and APIs
- Implemented industry best practices such as contributing to open source software with Git, conducting code reviews, extending existing codebases, and designing new components

Hydrobowl

- Created a Quiz Bowl studying app that accepts custom questions and reads them back
- Utilized HTML, Bootstrap, vanilla JavaScript for frontend and Firebase for backend

Work Experience

Spiceworks Austin, TX

Software Developer Intern

- Designed and implemented new features and patched critical bugs in the Spiceworks Help Desk
- Wrote unit tests to help achieve > 87% line coverage
- Utilized Ember.js for frontend and Ruby on Rails for backend development

Summer Undergraduate Research Fellowship Pittsburgh, PA Researcher

- Discovered novel roles of mouse visual cortex in visual acuity with Dr. Kuhlman and Alex Swain
- Conducted behavioral experiments and managed colonies of mice
- Analyzed data with MATLAB and presented the figures

Tulsa Undergraduate Research Challenge Tulsa, OK

Researcher

- Processed and cataloged artifacts from Christiansted stump removal
- Synthesized the data into a public outreach and information site

Languages and Technologies

Languages Python, C, SML, LATEX, HTML/CSS, Ruby, JavaScript, Java, GML Applications UNIX, Git, Vim, Photoshop, MATLAB, GameMaker, Unity, Flash Miscellaneous Conversational French and Mandarin, pixel art, 2D digital art

September 20XX

May-August 20XX

June-August 20XX

June-August 20XX