



Justin Weinberg

101 builds active learning tools that promote student engagement in college STEM courses. We make it easy for professors to integrate problem solving exercises into lectures by allowing students to solve and submit answers right on their personal devices. Unlike existing products on the market such as clickers that rely on multiple-choice questions, we invent subject-specific modules with intuitive ways for students to learn and interact with problems. We recently launched our first product for chemistry courses, Chem101, and piloted with 2,000 students across 8 schools in Fall 2016 including Carnegie Mellon, Columbia University, and the University of Cincinnati.

www.101edu.co

Arieca

Joshua Umo

Arieca produces soft and stretchable materials with enhanced electrical and thermal properties. These materials can be used as circuit wiring, sensors, and passive heat exchangers for wearable electronics.



Ellie Gordon

Jeremy Guttman

Ryan O'Shea

James Tiu

Paula Levin

BEHAVIOR aims to predict and prevent drug addiction relapses using artificial intelligence. Dashboards for parole/probation officers and apps and

wearable devices for addicts will advance addiction recovery, reduce court system costs and prevent overdoses.

<http://www.behavior.com/>



John Choi

Choitek is a robotics startup founded in 2016 whose mission is to teach and inspire with advanced educational robotics technologies for everyone. Choitek is founded on the principle that openness and inclusiveness are the key drivers towards technological progress and they support the endeavors of educators by providing an advanced, low-cost mobile robotics platform that is accessible not only to the biggest research institutions, but also to students, artists, and hobbyists.

<http://www.choitek.com/>



DaBBle **Samuel Hassel** **Malik Parker**

DaBBle is creating memory foam pillow embedded with a bluetooth speaker system and vibrating motor that enables the user to listen to music, audiobooks, movies, take phone calls, or set an alarm (shake-and-wake feature) all from the comfort of their own bed.

Emote

Natalya Buchwald
Rebecca Kern

A storytelling app with the ability to interact with a reader's emotions.

Sandeep Konam

EXAID

EXAID is a Healthcare-Artificial Intelligence company providing a Clinical Trial Matching application to empower Oncologists to improve patient outcomes and the quality of care, and a Patient recruitment application to pharmaceutical companies to drive adoption rates and quicken drug validation process.

<http://exaid.co/>

fitfriends

Raj Sharma
Marigrace Ambrosia
Kim Jin

Fitfriends is a fitness-based social networking platform that motivates you to maintain workout habits and connect with your friends as workout partners at the same time. Fitfriends schedules the best workout time and workout partners based on your calendar, workout preferences, activity levels, Facebook friendship, and other user data.

<http://www.fitfriends.social/>



Carmelo Montalvo

Forest Devices is developing ALPHASTROKE, the first stroke screening device designed for use by medical personnel in any environment.

<http://www.forestdevices.com/>



**Brenden Van Buren
Gabriel Chick**

Generational Transfer Entrepreneurs, LLC (GTE) is a private investment firm that works with a group of entrepreneurial operators (Operators-in-Residence) that are looking to individually acquire, operate and grow a privately held businesses. GTE provides business owners with a unique transition opportunity with the entrepreneurs at GTE ready to step into the ownership role with the goal of nurturing and creating long-term value for the company.

<https://www.gtentrepreneurs.com/>



**Bob Raida
Howie Choset**

HEBI Robotics enables you to create custom robots quickly. Each module is a series elastic actuator that offers control of torque, position & velocity, and is packed with sensors making it a self-contained unit that

includes everything you need as a foundation for your robot.

<http://hebirobotics.com/>



Kerolos Mikaeil

Inventory Connection's platform provides vendors with real-time point of sales and inventory data enabling them to spend more time selling and less time counting within their supermarkets.

<http://www.inventoryconnectionllc.com/>



Brandon Ortiz Jesse Thornburg

KOPO provides low-cost, sustainable solutions for water disinfection and transport in the developing world. The Kopo Can is a patent-pending plastic jug that uses passive solar energy to disinfect dirty water with UV and heat, while the accompanying Kopo Roller increases efficiency by transporting Kopo Cans along the ground in a culturally appropriate way.

<http://www.kopocan.com/>



Jason Onoda

MechaSpark provides online and offline STEM education. The learn-by-doing education is further supported by curating associated physical components and supplies to create a multimedia and multimodal environment, enhancing information absorption and retention.

<http://www.mechaspark.com/>



Gus Jenkins

Quick Connections brings business cards into the 21st century. Quick Connections produces tangible Smart Business Cards that utilizes advanced technology to transfer contact information from the Smart Card directly into a smartphone.



Srinath Vaddepally
Ameya Bhat
Jean Marie
Rolly Mantri

RistCall LLC helps hospitals and skilled nursing facilities to improve patient safety and satisfaction scores by updating traditional wall-mounted nurse call bell system with wearable devices.

<https://www.ristcall.com/>



Benjamin Schmidt
Jeff Barker
Kevin Ridge
Nikhil Ranga

RoadBotics monitors and manages our world's roadways cost effectively and efficiently by automatically and precisely identifying and rating a wide array of important roadway features and conditions, including cracks, potholes, signage, vegetation, debris and other characteristics. Our AI technology was developed at the Carnegie Mellon University Robotics Institute with the explicit goal of giving everyone responsible for roadways complete infrastructure transparency. The

RoadBotics smartphone app turns any smartphone and car, truck or bike into a sophisticated, mobile sensor.

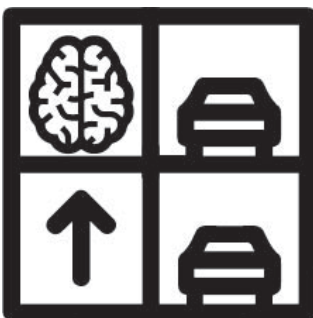
<https://www.roadbotics.com/>



Emily Wazlak

Shine Registry is a tool for start-up founders to ask for what they need when they are starting their businesses, gives their communities an opportunity to show that support in meaningful ways, and creates a new kind of tradition to celebrate women's professional milestones the same way personal milestones are celebrated.

<https://www.shineregistry.com/>



Smart Parking

**Alex Hauptmann
Zhigang Ma
Ting-Yao Hu**

Smart Parking can guide drivers to the nearest empty parking spot at an outdoor parking lot, e.g., airport parking or stadium parking lots.



**Sarabeth Boak
Jaehee Cho**

StitchBridge is developing a service platform and tools to help creators make interactive virtual reality films. We also consult on client projects to create interactive virtual reality content.



Zerosuit

Alexi Charalambides

Aims to manufacture rolls of low-cost wearable patches with embedded sensing and wireless transmission. Material will sense biological data like heart rate, temperature, blood oxygenation, etc, and will likely be sold to military and hospital agencies.