**AVERIA HEALTH SOLUTIONS**

Team | Pranay Singh, Rohan Suri | University of Chicago, Stanford University

Elevator Pitch | Averia has developed a low-cost and accurate concussion testing and management system. Because of the unreliable, symptom-based diagnoses used today, it is estimated 85% of concussions go undetected. Measuring vision impairment has emerged as a well-studied biomarker for such injuries, but the necessary eye tracking equipment costs upwards of $10k. Our key innovation is being able to take current, expensive eye-tracking systems and get it down onto your everyday smartphone. By leveraging existing hardware in a smartphone, we reduce costs by up to 50 times and make accurate concussion screening accessible to everyone - not just the professionals. [http://averialhealth.com](http://averialhealth.com)

**BITGRANGE**

Team | Alfredo Costilla-Reyes | Texas A&M University

Elevator Pitch | Back home, my family use to grow plants, in search of spending quality time together, learning something new, and to get some free food. But, when I move for grad school, I stop of doing it because gardening indoors is difficult. We live in an era where people lack the time, space and knowledge to do it successfully. BitGrange, is an automated soilless gardening system, removes all the guesswork to a simple educational device that provides with light and monitors temperature and humidity for your plant, everything in a space smaller than a cubic foot. [http://www.bitgrange.com](http://www.bitgrange.com)

**CURIATO INC**

Team | Matthew Sefati, Zied Elleb, Moazam Khan | University of Waterloo

Elevator Pitch | Our name is Curiato. We are a medical device start-up focused towards improving the quality of life, by providing disruptive and affordable healthcare technology. Our main product, is a system that can prevent pressure injuries, also known as bedsores, from ever occurring. Our team is multidisciplinary, and comes from all facets of faculties. We have an engineering co-op student team, industry experts, and a team of advisers all working on this project around the clock to make this a reality.

**DERMTEST**

Team | Simran Modi | University of Georgia

Elevator Pitch | DermTest is a biomedical mobile application that uses machine learning algorithms in order to predict whether or not a skin mole is cancerous. With 6 specific features and a user-friendly interface, this mobile app can be used by dermatologists and patients alike in order to aid in early diagnosis of melanoma.
FIND YOUR DITTO

Team | Parisa Soraya, Brianna Wolin | University of Michigan
Elevator Pitch | Over one-half of all adults in the U.S. live with a chronic illness—an astounding 120 million people—but you would never know because most of these illnesses are “invisible”, which explains the often pervasive feelings of isolation and loneliness. Find Your Ditto is a mobile platform that connects individuals living with the same chronic illness locally for on-demand, in-person peer support so that no individual living with chronic illness ever has to feel alone and can finally feel like “it’s not just me.”
http://www.findyourditto.com

GIBBS ENERGY

Team | Jonathan Shenkman, Ben Somers | Northwestern University
Elevator Pitch | Gibbs helps commercial spaces save money through energy efficient technology by eliminating the cost barriers. We do this by providing and installing technology such as LED lights for no upfront cost and taking a portion of the resulting energy savings. We guarantee the lowest project cost and best project terms by allowing contractors to bid for each project, driving the price down through direct competition in a typically opaque market.

HELPWEAR

Team | Andre Bertram, Frank Nguyen | University of Waterloo
Elevator Pitch | HelpWear is striving to achieve better at-home healthcare by developing affordable and accessible products for patients all around the world. HelpWear is currently developing its first product, the HeartWatch, allowing for 24/7 at home heart monitoring with an embedded emergency contact system for furthered prevention and bettered treatment of heart related illness. http://helpwear.ca/

KULISHA

Team | Eric Katz, Viraj Sikand, Maya Faulstich-Hon | University of Michigan, Brown University
Elevator Pitch | Kulisha is a for profit agriculture technology (agritech) company that is developing a proprietary system that enables waste managers to integrate black soldier fly larvae (BSFL) into their processes. This system generates additional economic value to our customers by decreasing their waste disposal costs because the larvae consume the waste byproduct. The insects can then be sold as a protein base and the byproduct from the insects can be sold as a fertilizer. Kulisha’s mission is to replace the unsustainable fishmeal market with BSFL based protein. Kulisha’s proprietary system will disrupt the global animal feed market. http://kulishafeed.com
MEMENTO DX
Team | Allen Osgood, Robert Chen | Washington University
Elevator Pitch | Memento simplifies the Alzheimer's diagnostic process by digitizing the tools specialists use to help more families get the answers they need; using our web app, neurologists will be able to double their patient throughput for clinical diagnoses. We looked at the current process at Washington University and found that it takes physicians 40 minutes to interview the patient's caregiver, which after talking to leaders in the Department of Neurology, we concentrated into a decision-tree questionnaire. We translate the caregiver responses into a patient history and send the compiled summary to the physician for review prior to seeing the patient. http://mist.mementodx.com

MIRABLUEx BIO
Team | Davis Beauchamp, Song Kue, Kristin Henry, Areeba Abid | University of Georgia, Georgia Institute of Technology
Elevator Pitch | Our mission at MiraBlue Bio is to create an effective colon delivery system for nutraceutical products that will decrease costs, increase bioavailability of active ingredients, and decrease side-effects. Current delivery systems use cellulose and gelatin capsules to carry active ingredients and are not formulated to reach the colon in their entirety. MiraBlue on the other hand, is formulating a novel biopolymer-based capsule technology to carry the nutraceutical compounds entirely to the colon. Our technology will allow companies to increase localization of specific active ingredients to the colon and save costs on these active ingredients while conferring the same health benefits. http://mirabluebio.com

OMNIPOINTMENT
Team | Vinesh Kannan, Brendan Batliner | Illinois Institute of Technology, University of Nebraska-Lincoln
Elevator Pitch | Students at 35 US universities use Omnipointment to keep their clubs, group projects, and teams active, no matter how busy they are individually. http://omnipointment.com

SMART BANDAGE
Team | Waqas Khan | University Of Waterloo
Elevator Pitch | Smart Bandage: Our product offering is in the space of IOT targeting patients with chronic wounds, with the aim to improve their quality of life and simultaneously ease the burden on the health system. The disposable, low-cost initiative allows for wireless monitoring of wound site in real time; sending early warnings to remote medical staff in case of infection, bleeding, pressure variation and changes in other variables; as well as drug administration, if required. It is unique, and presently without a counterpart in the world. The lab-testing stage has been successfully cleared and considering the ever-increasing market size and the dire need for the product, we are planning to launch it in Canada at the earliest. The disposable, low cost, tech-solution is mass producible, and bound to positively impact health care systems world-wide.
SNAPDESK

Team | Allison Kornher, Gabriel Wang, Muhammad Anu | Texas A&M University
Elevator Pitch | Our team has constructed a revolutionary backpack that is “lighter than a feather and stronger than oak” that will be able to serve as both storage, chair, and desk for children without a desk at school and home. Through partnering with businesses we will raise funds to manufacture and distribute these backpacks to children in areas with the most need. http://snapdesk.weebly.com

UNIVERSAL PROSTHETICS

Team | George Daniel, Casey Kidwell, Michael McHugh | University of Minnesota, University of Iowa
Elevator Pitch | Universal Prosthetics’ ShoeBox Leg (SBL) is the first lower limb prosthetic that is both custom fit by the user and low-cost. Because of our one-size-fits-many technology, we can treat amputees who don’t have access to a prosthetic. There are several obstacles in these countries that contribute to the poor accessibility, including the high cost of artificial limbs, the shortage of skilled prosthetists, and the unruly transportation infrastructure. Instead of amputees going through the hassle of journeying to one of the sparse clinics scattered across the country, we bring the solution directly to the patient.

WEBAHN

Team | Daniel Seara, Horacio Moreno | University of Waterloo
Elevator Pitch | WeBahn is a crowdsourcing platform designed to provide up-to-date, real time information about public transportation especially in developing countries, where there is poor or absent infrastructure to provide data about the public transit systems. The Value Proposition of the platform is to generate the most reliable information from commuters to commuters in order to decrease the time of their daily journeys. To achieve it, there are two core principles on the basis of the business: the power of crowdsourcing and the generation of incentives to commuters to participate in the platform. http://www.webahn.io

ZD ENERGY

Team | Yang Gao, Zuyi Li, Mengmeng Zhuang, Zhen Bao | Illinois Institute of Technology
Elevator Pitch | Our core IoT product platform, Aiknowatt, is the “fitbit” of your home appliances, an integrated all-in-one residential energy monitoring platform transforming home energy management for all wifi enabled homes and fundamentally shifting knowledge power to users for home energy conservation, through highly personalized real-time device-level feedback, utility budget planning, engaging UX and actionable solutions. It transforms homes into safer, cheaper, smarter, and more sustainable ones through our core tech, engaging design, and your invaluable engagement. Our markets include United States and China. Our solution platform is a complete user feedback loop, including hardware, user app, and back-end cloud computing. http://www.aiknowatt.com/index-en.html