### Education

University of Pittsburgh Bachelor of Science in Bioengineering, Swanson School of Engineering Minors in Computer Science, Mechanical Engineering, and Chemistry

### Leadership and Outreach

#### **Microsoft Student Partner**

Microsoft (Fluent Group)

- Served as a student tech evangelist for the University of Pittsburgh community to promote Microsoft technologies and initiatives including Hour of Code and Imagine Cup.
- Developed and led 1-2 hr workshops on hardware, IoT, and web dev for 20-30 students on a monthly basis.

#### Design Thinking Initiative, Technical Lead

Student Group

- Worked with three University Innovation Fellows to promote design thinking principles across disciplines at Pitt
- Led hour long workshops for 30 students at the Bruce Hall business LLC and the annual Panther Leadership Summit to come up with innovative solutions for organizational problems.

#### **Design Hub Workshop Coordinator**

Student Organization

- Ran workshops on topics including SolidWorks modeling and design, 3D printing and Arduino
- Led content development on the topics of web dev, machine learning, sensors and password security
- Liaison for students, clubs and professional societies to centralize technical workshops in the engineering school

#### Undergraduate Teaching Assistant for ENGR0716: The Art of Making University Honors College

- Assisted in testing and development of new exercises, grading and facilitating lessons (10 hours/wk).
- Supervised capstone teams of 6-8 students and provided technical support and guidance in applying principles of innovation and design thinking to a real world problem.

## **Projects and Technical Experience**

<b>Prototyping a polarized light imaging system with large FOV and high resolutio</b>	n Pittsburgh, PA
<ul> <li>Developed and automated a cross platform imaging system to study sections of the l</li> <li>Optimized image acquisition, processing and reconstruction programs.</li> </ul>	human eye.
Endovascular Torque Device	Pittsburgh, PA
Medical Product Design, Pitt Design Hub	September 2015 to May 2016
• Developed an improved device for torque application for vascular surgeons at UPMC	
Music Maestro, An Ergonomic Instrumental Composition Interface	Pittsburgh, PA
Capstone Project, Honors Freshman Engineering Program	January 2015 to May 2015
• Designed and prototyped low-cost interface for real-time MIDI composition for the co	ello.

#### Skills

Hardware: Arduino, Raspberry Pi, Particle	Advanced
Programming: Java, C, MATLAB, LabVIEW	Advanced
CAD: 3D modeling on SolidWorks, experience 3D printing with FDM and SLA	Advanced

### Honors and Awards

Dean's List, University of Pittsburgh

# Eric Zhang

Pittsburgh, PA Graduation Date April 2018 GPA: 3.31

September 2016 to Present

September 2016 to May 2017

### Pittsburgh, PA

Pittsburgh, PA

Pittsburgh, PA

January 2016 to Present

January 2016 to Present

Pittsburgh, PA