
EDUCATION

Carnegie Mellon University | Master of Human-Computer Interaction

Expected August 2019 | Pittsburgh, PA

UC Davis | B.S. Mechanical Engineering & Minor in Electrical Engineering

Graduated June 2016 | Davis, CA

EXPERIENCE

Mass Precision Inc. | Mechanical Engineer

Sept 2016 – May 2017 | Fremont, CA

- Product Lead for high visibility project & oversaw entire product lifecycle, bringing in \$67K in revenue
- Led companywide lean initiative resulting in a projected monthly savings of \$23,700
- Addressed pain points identified through contextual interviews and task analysis to increase efficiency of assembly line by 30%

Frito Lay Ltd. | Supply Chain Intern

June 2015 – Sept 2015 | Modesto, CA

- Presented project results to senior management at company HQ
- Streamlined 440 preventative maintenance procedures based on analysis of current production practices
- Acquired cross-functional business operations knowledge through collaboration with mechanics, processing operators, and business unit leaders

Design for America | Head Studio Lead

Oct 2014 – June 2016 | Davis, CA

- Procured financial resources and faculty support to enable doubling studio
- Planned and led 3 annual design workshops open to the public
- Collaborated closely with DFA National to meet studio needs and plan new projects

SKILLS

Adobe Suite: InDesign, Illustrator, After Effects
Design Tools: Figma, InVision
Programming: HTML5, CSS, Javascript, Java, C
Hardware: Arduino
Solid Modeling: AutoCAD, Inventor, SolidWorks

PROJECTS

Bose Challenge | CMU Winning Team

October 2018 | Pittsburgh, PA

- Conducted primary and secondary research to obtain insights and verify a need
- Employed user-centered design processes to identify a problem space, validate ideas, and prototype
- Presented to Bose and CMU professors alongside the other Top 3 teams in order to win the challenge

Sandia National Lab | Electromechanical Lead

Jan 2016 – June 2016 | Davis, CA

- Designed an autonomous robot to improve safety for researchers at Sandia National Labs
- Overcame engineering challenges associated with transferring electrically and mechanically sensitive pyrotechnic actuators while minimizing vibrations and electrical build up
- Followed spiral design methodology to continuously develop and test the product from concept design to final delivery

RASCAL Laboratory | Research Assistant

Jan 2016 – June 2016 | Davis, CA

- Furthered knowledge in the fields of prosthetics and haptic feedback through research papers
- Collaborated with fellow RA to design an experiment for testing a haptic feedback system prototype
- Debugged C code for controlling the prototype device

VOLUNTEER

- MHCI Extra Life 2018 Event Co-Organizer
- Tech Nights Volunteer
- Red Robot Hackathon Mentor