

Lauren Pham

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EDUCATION

The Ohio State University, Columbus, OH
B.S. Electrical and Computer Engineering
University Honors Program

Expected Graduation: Fall 2021
Overall GPA: 3.45
Major GPA: 3.68

RELEVANT EXPERIENCE

Ethicon, Inc., Johnson & Johnson, Cincinnati, OH

Quality Engineering Co-op, August 2019 - December 2019

- Performed testing, design verification, and validation supporting product design of surgical devices
- Focused specifically with PFMEA and DFMEA of different biomedical tools

iD Tech, Columbus, OH

Instructor, May - August 2019

- Taught Coding and Engineering 101 and Build and Code your own Laptop to 10-13 year old students
- Conducted an engaging learning environment and built meaningful relationships with children in STEM

OsteoEngineering Lab at The Ohio State University, Dept. of Plastic Surgery, Columbus, OH

Undergraduate Research Assistant, September 2017 – April 2019

- Develop a 3D printed biodegradable scaffold for facial reconstruction
- Lead a project team working to validate a perfusion bioreactor and conducted studies using computational fluid dynamics and finite element analysis

Honors Robotics, The Ohio State University College of Engineering, January - April 2018

- Collaborated with three team members, creating an autonomous robot which completed a standardized course under 90 seconds
- Led the project management and constructed electrical systems of the robot in addition to assisting the mechanical and software aspects

Proctor & Gamble, Cincinnati, OH

Customer Data Analytics and Project Management Intern, May - August 2017

- Developed, reviewed, and implemented over 1,000 test cases for the migration of POS data warehouses
- Created operational communication plan and strategies for improving the end user experience

QUALIFICATIONS

- **Relevant Coursework:** Robotics, Analog Systems and Circuits, Digital Logic, Microcontrollers, VHDL, Quartus
- **Computer Programming:** Python, C, C++, Java, SQL, MATLAB
- **CAD Programs and 3D Modeling:** COMSOL Multiphysics, MeshLab, MathMod, SolidWorks
- **Laboratory Techniques:** Cell culture and seeding, Pipetting, Characterization, Statistical analysis
- **Miscellaneous:** MS Excel, Panaya Testing, Adobe Photoshop

ACTIVITIES

College of Engineering Ambassadors, Ohio State University, November 2018 - Present

- *Recruitment chair/Secretary*, April 2019- Present: recruiting new members to the organization and facilitating the selection process.
- Promotes growth within the College of Engineering, developing interpersonal skills through presenting tours and facilitating other recruitment events, serving as leaders and role models within engineering

Women in Engineering Learning Community, Office of Diversity and Inclusion, August 2017 - Present

- Mentors for prospective and first year Women in Engineering, promoting diversity within engineering
- Leads and participates in community service events, industry site events, and career panels
- Serves as an WiE Ambassador and volunteered to assist leading the Early Arrival Program

Student Leadership Advocate, Office of Student Life at OSU, March 2018 - Present

- Participates in leadership education and training and completed a 6 month certification process
- As an organization, provides over 100 workshops for different student organizations on campus