

# Lauren Pham

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## EDUCATION

The Ohio State University, Columbus, OH  
B.S. Electrical and Computer Engineering  
Minor in Neuroscience

Expected Graduation: Fall 2021  
Overall GPA: 3.41 (4.00 scale)  
University Honors Program

## RELEVANT EXPERIENCE

**Ethicon, Inc.**, Cincinnati, OH

Quality Engineering Co-op, August 2019 - December 2019

- Performed testing, 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 on Ohio State's campus
- 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

**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

**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