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# **Caleb Hubbell**



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## **Collegiate Education**

Electrical and Computer Engineering, Sept. 2017 - Present Oregon State University - Corvallis, OR

- Expected graduation: Summer 2019
- Awarded with honor roll: Fall 2017, Spring 2018
- Institution GPA: 3.65 Cum. GPA: 3.24

Computer Engineering and Computer Science, Aug. 2015 - May 2017 George Fox University - Newberg, OR

- ACM ICPC DII NW champion
- First place in club-ran innovation competition

## **Technical Experience**

- Multilingual coding expertise in: Arduino, Assembly, Bash, C, C++, G-code, Java, MATLAB, Python, and Qt
- Savvy with distributed computing, robotic motion control, Linux, and big data analysis
- Competent utilizing PC-lint to perform static code analysis

# **Innovative Engineering Experience**

Supplies Optimization Intern, Jun. 2018 - Sep. 2018

HP Inc. - Corvallis, OR

- Developed testing plan, performed proof-of-concept testing, and presented findings for two separate projects
- Established groundwork that shaped future projects for my team of 5
- Utilized empirical data as well as big data to make informed conclusions to overcome a design constraint, resulting in a forecasted revenue generation of \$12-\$20 million
- Collaborated with over 30 people across 9 internal businesses

#### Software Consultant, Jan. 2018 - Jun. 2018

A mechanical engineer hired me to build and design a robotic candle dipping device. I did this by interpreting movements in a video and wrote the code to match those movements. My written code was able to run the equipment.

- Worked on a milestone-to-milestone basis
- Utilized Python along with CV2
- Robotic dipper interprets the G-code commands

#### Computer Engineering Intern, May 2017 - Sep. 2017

UTC Aerospace Systems (Cloud Cap Technologies) - Hood River, OR

- Polled 5 primary users to understand the needs and pain-points of utilizing in-house software
- Improved in-house software by adding a graphical interface and data plotting so that users found the tool more intuitive and efficient
- Implemented proposed modifications throughout 4 departments after 2 rounds of review
- Created a software tool using C++ and Qt
- Learned C, C++, and Qt through self-study
- Earned the Innovation Award for my achievements in improving in-house software

# University Innovation Fellow, Aug. 2016 - Present

Stanford University

- Nominated to a team of 4 which completed 3 months of training on how to encourage innovation and entrepreneurship
- Attended 4-day conference taught by Stanford's d-school, as well as Microsoft and Google, which centered around agile methods and design thinking
- Work culminated in a presentation to the Board of Directors, which included the President of the University

## **Volunteer Experience**

- Ambassador for the Subaru Brand. Attend public events to promote Subaru, some of which I organize and lead.
- Self-supported a project to travel to Tanzania, Africa. Attended three weeks of rigorous boot camp; developed the physical and mental stamina and skills necessary for working in a third world country. Part of a 24-person team who continued the construction of a school house. Often asked to lead small groups to gather and create material used in the construction.
- Spent a week living in tents while building 4 houses working alongside Mexican volunteers.
- 4-H ambassador for Union county; assisting with 4-H activities and leading our team of 12 as we purchased, potted, and delivered flowers to nursing homes.
- First Robotics team member. Began using CAD and Solid Works; improved my skills in physical design, teamwork, deadlines, and the ability to produce a quality product.