

## EDUCATION

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**Oregon State University - Corvallis, OR**

B.S. in Electrical and Computer Engineering  
Minor in Computer Science

2014 - 2018

## EXPERIENCE

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**HP Inc.**

*R&D Software Engineer II*

August 2018 - Present

*Corvallis, OR*

- Developed desktop software for internal use on production lines
- Administered server and HSM infrastructure for both production and development environments
- Worked with local Lab Security Manager to audit systems monthly and maintain compliance with HP Cybersecurity standards
- Implemented and maintained a 10k chip per month capacity prototype production line for programming of newly designed security chips

**HP Inc.**

*Engineering Intern*

June 2018 - August 2018

*Corvallis, OR*

- Developed binary mapping and conversion software for internal company use in the creation of secure print cartridges
- Oversaw the development of Excel templates by other interns
- Tested customer facing software for legal and business compliance

**Oregon State University College of Business**

*Student Support Technician 2*

February 2015 - June 2018

*Corvallis, OR*

- Maintained sandbox server environment for staging and testing
- Worked directly with faculty and students to solve information services related issues

## RELEVANT CLASSWORK

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- Transmission Lines - Transient and steady-state analysis of transmission line circuits
- Sensors - Sensor technologies including materials, physics of operation, applications and system integration
- CMOS Integrated Circuits - Design of IC's in CMOS culminating in OPAMP design project
- Computer Organization and Assembly Language - Introduction to Assembly Language, Computer Architecture
- Microcontroller System Design - Creation of embedded systems implementing various hardware and communications protocols

## SKILLS

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- Programming Languages: C, C++, C#, Java, Python, VHDL, Verilog, AVR Assembly, Latex, mySQL
- Software: Atmel Studio, Eagle, Git, LTSpice, AutoDesk Inventor, Microsoft Office, Microsoft Project, Visual Studio
- Operating Systems: Linux (Debian, RedHat), Windows, OSX, OpenBSD, VMware ESXI

## VOLUNTEER WORK

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**Justin Siena Robotics Institute**

*Co-lead Volunteer*

June 2014 - July 2014, June 2015- July 2015

*Napa, CA*

- Train fellow volunteers in designing, building and programming robots using the Vex Robotics Kit
- Assisting students in design, construction, and testing of robots
- Design and construction of obstacle courses and challenges to be performed by students
- Writing base code in RobotC to be used by students to implement additional sensors into robot designs

## AFFILIATIONS AND ACCOMPLISHMENTS

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- Licensed Amateur Radio Operator, Technician Class K6ECE
- Treasurer for the OSU Amateur Radio Club W7OSU
- Member of Oregon State Robotics Club Aerial Team
- Member of Oregon State Linux Users Group