STEPHANIE YIP

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EDUCATION

Seattle University
2013 - 2017

B.S. in Electrical Engineering, Computer Engineering Specialization, GPA: 3.6 *Seattle, WA*

- **Honors:** Graduated *cum laude*. Invited to be a member of the engineering honor societies, Tau Beta Pi (top fifth of engineering class) and IEEE Eta Kappa Nu (top third of electrical/ computer engineering class).
- **Coursework:** Data Structures, Design and Analysis of Algorithms, Computer Systems, Internet of Things, Machine Learning, Embedded Systems, Microprocessor Design, Signals and Systems, Semiconductor Circuits

TECHNICAL SKILLS

- **Programming Languages:** C++, C, HTML, CSS, Python, JavaScript, MATLAB, VHDL
- **Software / Tools:** Visual Studio, Git, Adobe Photoshop, WindRiver Workbench
- **Lab Experience:** Raspberry Pi, Arduino, ESP8266, reading schematics, prototyping circuits, oscilloscopes, digital multi-meters, soldering, Altera FPGA boards

WORK EXPERIENCE

Boeing
Aug. 2017 - Present

Software Engineer *St. Louis, MO*

- Performed regression testing for Windows, Linux, and VxWorks platforms
- Experience in Agile Scrum development methodology with bi-weekly stand-ups and two-week sprints

Crane Aerospace and Electronics
Jun. 2016 - Sept. 2016

Software Engineer Intern *Lynnwood, WA*

- Contributed to the development of a proximity sensor using an ARM microcontroller
- Modified embedded software code in C to operate the Analog to Digital Converter (ADC) and Digital to Analog Converter (DAC) on the microcontroller

PROJECTS

Senior Design Project: Electronic Rain Gauge
Sept. 2016 - Jun. 2017

- Collaborated with environmental science students to design a middle school rain gauge curriculum
- Integrated hardware and software by interfacing electronic components with an ESP8266 micro-controller
- Coordinated team meetings and communicated with project sponsor and faculty advisers

Smart Light System
Feb. 2017 - Mar. 2017

- Worked in a team to create a system to remotely control and adjust the brightness of a LED bulb
- Programmed the Raspberry Pi using Python to change the LED brightness depending on ambient light input from a photo-resistor
- Setup an Apache server with PHP for remote connection to the Raspberry Pi in order to control the LED

Automated Dancing Puppet
Jan. 2016 - Jun. 2016

- Worked with a partner to implement a dancing marionette puppet using a Raspberry Pi and circuits
- Programmed puppet movements in C and troubleshooted both software and hardware

STUDENT INVOLVEMENT

Society of Women Engineers (SWE)
Seattle University

Regional Collegiate Communications Officer (RCCE) Sept. 2016 - Jun. 2017

- Wrote content for the regional SWE blog about news and tips for increasing SWE involvement
- Received a travel stipend to attend the annual SWE national conference in October 2016

Treasurer & Public Relations Officer Sept. 2015 - Jun. 2017

- Organized resume review event with over 10 engineering professionals and 40 students attending
- Helped fundraise over $200 through bake sales