

Hannah Ho

-
- Renton, WA
 - (206) 229-1772
 - hannahhtn97@gmail.com
-

Professional Profile

I've had experience working as an Associate Software Engineer at Schweitzer Engineering Lab (SEL) in Pullman, WA within the Research and Development department. I've obtained my Bachelor's degree in Computer and Electrical Engineering in my undergraduate work at the University of Washington. While attending university, I made the Dean's list for my academic accomplishments despite having come from Vietnam alone at the age of 16. When I first moved to America, I knew minimal English, but I quickly became fluent in order to be successful. This made my academic accomplishments all the more gratifying. While working at SEL, I received glowing remarks from my peers and my manager at my first 6 months performance review. This evaluation resulted with my progression into a new team working on a project from the ground up. If adversity comes my way, I am equal to the challenge and find great satisfaction in navigating the obstacles as they are presented. I am looking for a company that I can establish roots with within the greater Puget Sound region doing Software Engineering.

Areas of Expertise

- B.S in Electrical and Computer Engineering
- Experience in Embedded System Development
- Programming languages: C and C++
- Experience using VSC Studio, ClearCase, Git, and BitBucket for development
- Experience using BlueTerm, Multi, Xilinx SDK and Code Collaborator for debugging/analysis and code review
- Familiar using Jira to manage projects, tasks, timecards, and various management related duties
- Comfortable working in Windows environments
- Effective leadership skills and project management as demonstrated through academic projects and student leadership positions

Professional Experience

Research and Development – Schweitzer Engineering Lab

August 2020 to January 2022

Associate Software Engineer

- Participated in the design of new firmware features
- Analyzed root causes of defects on firmware systems and performed troubleshooting
- Implemented solutions for firmware system defects and provided updated product features into existing products.
- Contributed to code review, unit testing, and functional testing for firmware systems
- Increased manufacturing efficiency of improvements by streamlining product tests
- Collaborated with other Firmware, Product and Hardware Engineers
- Prepared and maintained code, design, and test documentation

Education

University of Washington — Seattle, WA

2017 to 2020

Bachelor of Science, Electrical and Computer Engineering

Relevant coursework: Computer Programming, Data Structures and Algorithms, Computer Architecture, Embedded Systems, Digital Signal Processing, Continuous Time Linear Systems, Devices and Circuits, Digital Circuits and Systems

Seattle Central College – Seattle, WA

2014 to 2017

Associate of Science, Engineering

Academic Experience

Smart Wheelchair Prototype– College Capstone Group Project

2020

- Designed a smart wheelchair system using a Raspberry Pi 4 and a microcontroller STM32
- This project aimed to help and support seniors and people with disabilities
- Key Features: Smart Driving (Obstacle Avoidance, Street Crossing), User Front-End Interface (Joystick control, Speech Interface), User Protection (Emergency Stop, LED Lights)
- Programming languages: C, Python

Remote Control Car

2020

- Designed and built a remote-control car using an ARM Microcontroller-TM4C
- Controlled by an android phone using Bluetooth communication protocol
- Programming language: C

Additional Experience

Student Leadership - International Student Advisory Council Liaison

2015-2016

- Supported the overall mission of Seattle Central Student Leadership
- Collected student concerns regarding International Education Program practices and presented common issues to the management team on a quarterly basis
- Held one open event per quarter for all international students where recent changes and concerns could be shared, and questions could be answered
- Liaised with the Associated Student Council of Seattle Central Community College and participated in the Student Issues & Concerns Committee