

Connie Lim

conniel1@vt.edu | website: <https://connielim.github.io> | (540)-525-5417

Objective: To utilize my knowledge and contribute as a full-time embedded software or firmware engineer

Education

Bachelor of Science in Computer Engineering, expected December 2017

Virginia Polytechnic Institute and State University, Blacksburg, Virginia

- Overall GPA: 2.83/4.00

Relevant Work Experience

Summer Software Developer Intern, LifeFuels, Reston, VA

June 2016 – July 2016

- Enhanced the editing of the product data by allowing the Arduino Uno (microcontroller) to retrieve data from a file in a computer that contains the product data in hexadecimal format which then gets written to the RFID tag
- Enabled LifeFuels to have a full run-through of pod packaging technology with a prospective company partner

May 2015 – August 2015

- Developed and debugged code for the pre-order and company website using HTML, CSS, and JavaScript
- Self-learned HTML, CSS, and JavaScript using Codecademy and Stack Overflow

Projects

Personal Website, Summer 2017

- Designed and developed website from scratch using HTML, CSS, JavaScript, and Bootstrap that serves as part of my work portfolio and snippets of myself

Embedded Systems Design, Fall 2016

- Designed and implemented module that picks up and drops targets using I/O, sensors, motors, ADC, and message queues in C using a microcontroller

Senior Design Class, Fall 2016 and Spring 2017

Project: GE Power Control Platform

- Designed bang-bang library module in Verilog that will enable users to test equipment with a team
- Read RFP and responded with proposal

Technical Skills

- **Programming Languages:** C++ (Advanced), Java (Proficient), C (Proficient), Verilog
- **Development Tools:** Visual Studio, Eclipse, MPLABX, GitHub, Quartus, Modelsim
- **Operating Systems:** Windows, Linux
- **Development Boards:** Cerebot PIC32MX7, Terasic DE1-SoC, Arduino Uno
- <https://github.com/connielim>

Relevant Coursework

- Network Application Design (elective in progress) Microcontroller Interfacing
- Hardware-Software Co-design (elective in progress) Digital Design 1
- Principles Computer Security (elective in progress) Data Structures and Algorithms

Extra-Curricular Activities

- WAY at Yonsei University – Studied abroad in Korea, December 2016 – January 2017
- Korean American Student Association, September 2013 – May 2014, September 2015 – May 2016, member
- Society of Asian Scientists and Engineers, August 2016 – present, member