Connie Lim

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Objective: To utilize my knowledge and contribute as a software or firmware developer engineer contractor

Education

Bachelor of Science in Computer Engineering, August 2013 - December 2017
Virginia Polytechnic Institute and State University, Blacksburg, Virginia

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 to execute the project 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++ (2 years), Java (1 year), C (2 years), Python, Verilog
- **Development Tools**: Visual Studio, Eclipse, MPLABX, GitHub, Quartus, Modelsim, Qt, Android Studio
- **Operating Systems**: Windows, Linux
- **Development Boards**: Cerebot PIC32MX7 microcontroller, Terasic DE1-SoC FPGA, Altera DE0-Nano, Arduino Uno, Raspberry Pi 3
- https://github.com/connielim

Relevant Coursework

- Network Application Design   Microcontroller Interfacing
- Hardware-Software Co-design   Digital Design 1
- Principles Computer Security   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, August 2017 – December 2017, member
- Society of Asian Scientists and Engineers, August 2016 – December 2017, member