Résumé

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1 Technical Skills

1.1 Programming Languages

C, C++, Java, Python, Arduino

1.2 Hardware Description Languages

Verilog

1.3 Assembly Languages

MIPS

1.4 Other

Linux/UNIX, Git, EAGLE, KiCAD, Atmel Studio, Xilinx ISE Design Suite

2 Work Experience

3 Education

Boston University - Bachelor of Science in Computer Engineering; September 2016 - May 2020(anticipated) GPA: 3.20/4.00

4 Projects

4.1 Custom Mechanical Keyboard - Personal Project

A mechanical keyboard PCB designed from scratch in KiCAD with a custom layout designed in keyboard-layout-editor(project is still in progress).

4.2 Lamp Post Mounted Flood Detector - Final Project for Engineering Design Course

A water level detector composed of an arduino, an ultrasonic distance sensor, an XBee radio module, and a float switch. The system outputs the water level to a hypothetical relay station and then outputs a warning message once the level has reached or surpassed 1 ft.

4.3 Verilog Digital Lock - Final Project for Logic Design Course

A digital lock that utilizes a seven-segment display and a series of switches on an FPGA board that allow a user to input a password to unlock the lock, change the password, and lock the digital lock. The lock was programmed in Verilog and simulated using Xilinx ISE Design Suite.