

William Abajian

HARDWARE ENGINEER · LOGIC AND EMBEDDED

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Summary

Recent M.Eng. graduate from Cornell University in Electrical and Computer Engineering. My interests span from creating and programming embedded devices to the more logic and computer architecture side of things. With embedded systems, I enjoy both embedded Linux platforms such as the Raspberry Pi and DE1-SoC, and bare-metal platforms like the PIC32. I enjoy programming in C, Python and Verilog. My hobbies include building and programming mechanical keyboards, hiking and camping, and tinkering with my computer (checking out distros, theming)

Education

Cornell University

Ithaca, NY

M.ENG. IN ELECTRICAL AND COMPUTER ENGINEERING

Aug. 2016 - Aug. 2017

- GPA: 3.673
- Relevant Courses: Advanced Computer Architecture, Embedded Operating Systems, HL Digital Design Automation, Complex Digital ASIC Design, Advanced Microcontroller Design, Parallel Programming

Cornell University

Ithaca, NY

B.S. IN ELECTRICAL AND COMPUTER ENGINEERING

Aug. 2012 - May 2016

- Minor: Computer Science
- Dean's List: Spring 2014, Fall 2015, Spring 2016
- Relevant Courses: Computer Architecture, Designing with Microcontrollers, Digital VLSI Design, Telecommunications, Operating Systems, Embedded Systems

Work Experience

Cornell College of Engineering

Ithaca, New York

GRADUATE TEACHING ASSISTANT FOR DIGITAL VLSI DESIGN

Jan. 2017 - May 2017

- Held weekly office hours to assist students with concepts and problem sets.
- Graded problem sets and exams. Graded live demos of lab assignments.
- Wrote problems for problem sets and exams. Test drove several labs to verify feasibility.

Cornell Information Technology

Ithaca, New York

COMPUTER LAB OPERATOR

May 2013 - Dec. 2016

- Supervised the use of various computer labs across campus.
- Provided technical support for lab patrons.
- Ensured that the printers were stocked and operational.
- Prepared specialty classrooms for Professors before classes.

Cornell Academic Technologies Center

Ithaca, NY

STUDENT TECHNOLOGY ASSISTANT

May 2013 - May 2016

- Provided technical support to professors for various pieces of software.
- Checked out devices such as cameras to professors.
- Performed media conversions (analog to digital) for professors.

Clad Network, Inc. (Start-up company)

Ithaca, NY

LEAD HARDWARE ENGINEER

Oct. 2014 - Sept. 2015

- Discussed business and technology strategy with the rest of the team
- Implemented adaptive lighting system for our product on an Arduino microcontroller.
- Created a networking solution for the onboard embedded Linux platform in our product.

Wallaby Yogurt Company

Napa County, CA

ENGINEERING AND MAINTENANCE INTERN

June 2014 - July 2014

- Maintained and updated an Access database used for parts inventory.
- Setup virtual environments for testing database software
- Devised a mobile monitoring system for the plant.
- Performed maintenance on the video surveillance system and the wireless network.
- Assisted in the installation of automation hardware.