William **Abajian**

HARDWARE ENGINEER · LOGIC AND EMBEDDED

Issaquah, WA, USA

☐ (+1) 707-320-8959 | ✉ wpa26@cornell.edu | ⌂ abajian.tech | ⊙ wpa26 | ⊡ wpa26

Summary

Recent M.Eng. graduate from Cornell University in Electrical and Computer Engineering. Interests span from creating and programming **Embedded Systems** to **Computer Architecture** and **ASIC design**. Experienced with both embedded Linux platforms such as the Raspberry Pi and DE1-SoC, and bare-metal platforms like the PIC32. Well-versed in **C**, **Python** and **Verilog**, and uses **Git** for version control.

Education

Cornell University
M.ENG. IN ELECTRICAL AND COMPUTER ENGINEERING

Ithaca, NY
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
B.S. IN ELECTRICAL AND COMPUTER ENGINEERING

Ithaca, NY
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
GRADUATE TEACHING ASSISTANT FOR DIGITAL VLSI DESIGN

Ithaca, NY
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; these assignments were using Cadence to design specific digital circuits.
- Wrote problems for problem sets and exams. Test drove several labs to verify feasibility.

Cornell Information Technology
COMPUTER LAB OPERATOR

Ithaca, NY
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
STUDENT TECHNOLOGY ASSISTANT

Ithaca, NY
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)
LEAD HARDWARE ENGINEER

Ithaca, NY
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 microntroller.
- Created a networking solution for the onboard embedded Linux platform in our product.

Wallaby Yogurt Company
ENGINEERING AND MAINTENANCE INTERN

Napa County, CA
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.