Aaron Z. Lim

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Github: aaronzlim.github.io   315.440.5415   Updated: Sunday 14th August, 2016

Education

University of Rochester
Rochester, NY
BS Elec. & Comp. Eng.
- Methematics Minor
Anticipated May 2017
Cum. GPA: 3.84/4.0

Skills

Python
Java
Matlab
Assembly
Microcontrollers
RF Systems Basics
Team Communication

Activities

UR Mens Rowing (since 2013)
- 1st Varsity Eight
Undergrad. Musicians Council
- Publicity Manager (since 2014)
Jazz Piano (since 2008)

Societies

IEEE Student Member
Power & Energy Society
National Society of
Collegeiate Scholars

Courses

Microelectronic Circuits
Signals & Systems
Communications Systems
Microprocessors (Also a TA)
Logic Design (Also a TA)
Computer Architecture
C Programming
Linear Algebra with Diff.Eq.
Probablity
Physics: E & M
Physics: Waves

Work Experience

SRC Inc.   Syracuse, NY
Internship   Summer 2015
- Was the only intern on a 3-man team
- Dept: **Cyber Security & Big Data Analytics**
- Worked with **Amazon Web Services**
- Comparative analytics of cyber activity and financial data

SRC Inc.   Syracuse, NY
Systems Engineering Intern   Summer 2016
- Worked on interfacing an EAR (Electronic Attack Receiver) with three different radar systems.
- Drew schematic and wiring diagrams
- Wrote an API to interface signal emulation software

Contact: Brittani O'Connell - Recruiter
315.452.8000
boconnell@srcinc.com

Projects

LED Graphic Equalizer Display   Syracuse, NY
Personal Project   Summer 2016
- Used a filter bank to split audio into seven frequency bands
- Programmed a microcontroller to flash Neopixel LED's in time with music based on frequency content
- https://github.com/aaronzlim/spectrum_analyzer

Wireless Message Board   Rochester, NY
Class Project   November 2015
- Set up a small database and web interface hosted by Amazon Web Services
- Used an Arduino with Wifi shield to access the database and print its contents on an LCD screen

Talk Box   Syracuse, NY
Personal Project   Spring 2012
- Built a Talk Box out of an old amplifier, PVC pipe, vynil tubing, and a horn driver
- Inspired by Peter Frampton

Awards

- Deans List (all semesters)
- Power & Energy Society Scholarship 2014, 2015
- SRC Inc. STEM Scholarship 2013
- University of Rochester Bausch & Lomb Honorary Science Award 2011