

Education

University of Rochester

Rochester, NY

BS Elec. & Comp. Eng.

- Mathematics Minor

- May 2017

Cum. GPA: 3.85/4.0

Skills

Python

Matlab

Microcontrollers

RF systems analysis

Systems Engineering

Team communication

Documentation writing

Activities

Hobby Electronics (2013-pres.)

UR Mens Rowing (2013-2017)

Syracuse Chargers Rowing
(2015-pres.)

Jazz Piano (2008-pres.)

Societies

IEEE Student Member (2014-2017)

Power & Energy Society (2013-2016)

National Society of
Collegiate 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.

Probability

Physics: E & M

Physics: Waves

Work Experience

SRC Inc.

Electrical Engineer

Syracuse, NY

2017-Present

- Integration and test for CREW Duke V5 System
- Knowledge of RF Systems, Signal Jamming
- Software development and firmware debugging
- Systems Engineering

SRC Inc.

Systems Engineering Intern

Syracuse, NY

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

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