

Education

Tufts University, *Combined BS/MS in Computer Engineering*, Medford MA
GPA 3.53, Dean's List every semester

Expected Graduation May 2016

Coursework:

- Digital Signal Processing
- CMOS VLSI
- Computer Engineering
- Electrodynamics
- Music Recording & Prod.
- Microwave Semiconductors
- Operating Systems
- Computer Networks
- Computer Security

Assistant General Manager & Director of Operations at *WMFO, Tufts' Freeform Radio* 2013-Present

- ◆ Restructured training and DJ education programs
- ◆ Wrote and published DJ and Operations manuals and other online documentation for station use
- ◆ Develop, maintain, and integrate services for staff and board members
- ◆ Configure, maintain and upgrade equipment including Axia, Cisco, Patton, and Linux/Windows Servers

Vice President of Programming at *Tufts Sigma Phi Epsilon, MA Zeta Chapter* 2014-Present

- ◆ Organize, implement and coordinate fraternity functions including social and charity events
- ◆ Collaborate with executive board to update and simplify the chapter's code of conduct

Skills and Personal

Languages: Verilog, VHDL, Bash, Python, C/C++, Assembly, PHP, SQL, Javascript, Java

CS: Linux System Admin, Apache, Samba, Networking, Wordpress, Drupal, VoIP (Asterisk, FreePBX)

Software: LabVIEW, AutoCAD, Puppet, Office, Adobe Video/Photo, MatLab, R

RF: Ham Radio Operator (General Class), HP8924C Service Monitor, RF and Microprocessor experimentation, RFID

Other: Audio Engineering, Video Recording/Editing, Photography

Personal Interests: Data/Database management, information flow and systems engineering, hardware integration

Work Experience

GE Energy Management Intelligent Platforms, EID Intern, Foxboro, MA May 2014-August 2014

- ◆ Developed AngularJS, Java, and SQL stack as part of Agile/Scrum team
- ◆ Implemented Proxy for combining multiple web and API services with SSL termination
- ◆ Documented and troubleshoot installation and configuration procedures

Editshare, LLC, Software Engineering Intern, Cambridge, MA June 2013-August 2013

- ◆ Research, architecture, and demo implementation a cgroup-based QoS system for disk resource management in shared video editing systems.
- ◆ Product development using git source code management
- ◆ Implemented a DYLD based system call substitution to enhance the compatibility of Apple's Final Cut Pro
- ◆ Tested and implemented demo of multiple-tape-spanning LTFS backup system including research, and testing with LTO tape libraries

Boston AV Productions, LLC, Founder and President, Medford, MA April 2013-Present

- ◆ Organized and set up an LLC, insurance, and payroll
- ◆ Fulfill A/V needs for the Tufts campus and Boston area
- ◆ Perform management functions for running a small business with two partners and five employees
- ◆ Developed Job Management Website for coordination of employee scheduling, event management, and billing

Cartera Commerce, Inc, Operations Intern, Waltham, MA May 2012-August 2012

- ◆ Provisioned and managed Linux systems for the company's online web services
- ◆ Wrote bash scripts to integrate company services with third party APIs

Belmont Hill School, Summer School Teacher, Belmont, MA May 2012-August 2012

- ◆ Taught robotics and programming to 6-12th grade students using the Lego's NXT and NXC platforms