

Education

Temple University - College of Engineering

August 2015 - May 2019

- Bachelor of Science in Electrical Engineering
- Concentration in Computer Engineering
- Courses in: Electric Circuits, Digital Circuit Design, Processor Systems, Signals, Linear Algebra, C Programming, Embedded Systems Design, Java, Microelectronics, etc.

Technical Experience

Management Trainee - Amtrak

June 2019 - Current

- Met with leadership team and learned about operations and different departments.
- Qualified in NORAC, AMT-2, AMT-3, Car Handling, etc. at Wilmington Training Center.
- Qualified in Mechanical Operating Practices at Ivy City Yard in Washington D.C.
- Worked with trainmasters, station managers, and road foremen in BAL and WAS for Amtrak and MARC services
- Worked with general foremen and employees at Sunnyside Yard in Queens, New York.

Engineering Intern - Amtrak

May 2018 - June 2019

- Work with the Communications & Signals Department (C&S)
- Learning to apply skills from school to an industry setting
- Frequent work in the field with installs, repairs, management, etc. along the Right of Way
- Working with Radio, Networking, Power, and other types of technologies
- Becoming familiar with railroad industry standards and government regulations

President - TUDev

August 2015 - May 2019

- TUDev is Temple's "hacker" community, a student organization, and a 501(c)(3) educational non-profit organization
- In charge of a design team, development team, marketing team, and events team to put together programs on campus and around Philly which are centered around tech education
- Director of Philly's Local Hack Day, a 12-hour hackathon. This is one of many such events taking place simultaneously at multiple universities around the world. I manage all aspects of planning, such as venues, marketing, budgets, volunteers, catering, safety, sponsorship, etc.

Lab Consultant - Temple University

October 2015 - May 2018

- Manage the labs for the Computer Science department
- Troubleshoot enterprise software and hardware
- Resolve technical issues for students, faculty, and staff

Teaching Assistant - Temple University

January 2016 - May 2016

- Teaching Assistant for two courses: *Ethical Hacking & Intrusion Forensics* and *Introduction to Digital Forensics*
- Responsible for creating and grading labs, quizzes, and exams

Extracurriculars

Hackathons

- Hackathons are programming/engineering competitions, typically lasting 24-36 hours.
- I have attended 20 such events since high school
- Won Second Place at both Pilot Philly (Fall 2013) and HackNY XIII (Spring 2016)

Skills

- C, Assembly, and MIPS languages
- Verilog hardware description language
- MATLAB
- Java
- Git, GitHub, BitBucket
- HTML/CSS
- Graphic Design, Adobe InDesign, Adobe Illustrator
- Photography, Adobe Lightroom
- Electrical Engineering
- Windows, Linux, OS X
- Bash & ZSH scripting, CLI tools
- experience running a 501(c)(3) non-profit
- Railroad Operations Experience