
Education

Elizabethtown College | Bachelor of Science | Elizabethtown, Pa 2020

- **Majors:** Computer Engineering and Computer Science.
- **Honors:** Presidential Scholar.

Relevant Course Work

- **Engineering:** Calculus I, II, III. Differential Equations. Physics I, II. Circuit Analysis. Introduction to Engineering I, II.
- **Computing:** Computer Science I, II. Computer Organization and Architecture. Systems Programming. Microcomputer Architecture, Advanced Computer Engineering.

Experience

Systems Engineer at Lockheed Martin | King of Prussia, Pa May 2018 – August 2018

- Working on high end enterprise grade servers, and systems controls for military application.
- Authorized to work on confidential, and secret projects.
- Mainly working in ground-based communications for deployed armed forces.

IT Technician & Developer at Elizabethtown College | Elizabethtown, Pa February 2017 - Present

- Management of all digital signage on campus, on the backend and frontend.
- Software development needs for signage and other display systems.
- Video editing for school and departmental needs.

Software Developer at Clair Global (Clair Data Systems) | Lititz, Pa May 2017 – August 2017

- Temporary software developer for Clair Global creating on the spot software for company needs.
- Projects included: Switch auto-configurator, Interactive panel monitoring networking racks, and VPN data collector.

Network Engineering at Coventry Christian School | Pottstown, Pa 2015-2016
Technical Production Director at Fairview Village Church | Eagleville, Pa 2014-2016

Projects

PerfMon | Clair Global

A **Performance Monitor** made for Clair Global to easily monitor the status of a production rack out on a production and send back telemetry data. Primarily written in Node.js to run seamlessly on a Raspberry Pi. Created with a team of 2 people with a full-fledged front end and back end.

Electric Vehicle | Freshman Project

Participated in the research, design, and fabrication of an electric vehicle that would later be benchmarked against my fellow cohort. Performed the duty of team programmer and created custom software for our car that greatly increased the car's performance and longevity

HomeLab | Personal Project

A continuing project in learning more about networking, systems administration, and servers, I have been working on a home networking setup affectionately named JuiceNet. This setup currently includes a self-refurbished HP DL180 G6 enterprise server, a Linksys LGS124 Switch, and a few Raspberry Pi's. It currently holds much of my data, a personal webserver, a media server, private git source, VM tester, a good web development platform and much more.

USB-C Expresscard Expansion | Personal Project

A work in progress expresscard expansion that will support the modern USB-C form factor on the obsolete expresscard protocol. Many older machines are still perfectly useable, and this will help bring older machines, like the one I use, into a modern machine.

Skills, Abilities, Other Information

- **Languages:** C, C++, C#, Bash, VBA, Java, Javascript, Go, HTML/CSS, Kotlin, MATLAB
 - **Software:** Word, Excel, Inventor, Photoshop, InDesign, Premiere Pro, After Effects.
 - **Misc. Technology:** Network troubleshooting, Linux, Windows, MacOS, Android, and iOS. System Administration (On both Linux and Windows Server), Graphic Design, Video Editing, Hardware Expertise, Web Design, Embedded Systems.
- Secret Level Department of Defense Clearance**