Clay Buxton

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Education

Elizabethtown College | Bachelor of Science | Elizabethtown, Pa   2020
- Majors: Computer Engineering and Computer Science.
- Honors: Presidential Scholar.

Relevant Course Work
- <u>Engineering:</u>   Calculus I, II, III. Physics I, II. Introduction to Engineering I, II. Circuit Analysis.
- <u>Computing:</u>   Computer Science I, II. Computer Architecture and Organization. Visual Communications.

Experience

Software Developer/ IT Technician | Elizabethtown College | Elizabethtown, Pa | Since February 2017
- Development in VBA for a excel datasheet getting information from the web for the digital signage on campus.
- Management of all digital signage on campus.
- At helpdesk for student, staff, and faculty assistance.
- Filming and Editing video (using Premiere Pro) of events around campus and for departmental needs.

Software Developer | 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.

Intern Systems Administrator | Amazon | June 2016 – August 2016
- Temporary learning experience/intern administrator for Amazon.
- Basic Linux System Administration, bash scripting, and system maintenance.

IT Technician + Network Engineering | Coventry Christian Schools | Pottstown, Pa| 2014-2016
- Providing for numerous technical needs around the school.
- Re-building school networking system replacing old system, with new up to date mesh networking for total Wi-Fi coverage with modern speeds.

Retail | United Parcel Service | Trappe, Pa   2016-2017
Team Member | Chick-Fil-A | Audubon, Pa   2015-2016

Projects

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

PerfMon | Clair Global

   A **Perf**ormance **Mon**itor made for Clair Global to easily monitor the status of a production rack out on a production. 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.

Skills & Abilities

Technology | Engineering
- <u>Languages:</u>   Python, Java, Javascript, HTML, CSS, Arduino, MATLAB, Bash, C++, C#, Go, VBA.
- <u>Software:</u>   Word, Excel, Inventor, Photoshop, InDesign, Premiere Pro, After Effects.
- <u>Miscellaneous:</u> Network troubleshooting, Linux, Windows, MacOS, Android, and iOS. System Administration (On both Linux and Windows Server), Graphic Design, Video Editing, Android, Hardware Expertise, Web Design.