

# Caleb Barton

(385) 201-7938 • cbarton450@gmail.com • linkedin.com/in/caleb\_t\_barton • caleb-t-barton.github.io

## EDUCATION

### Brigham Young University

Apr 2024

Bachelor of Science: Cybersecurity, Emphasis in Computer Networking

Provo, UT

- GPA 3.4
- Advanced Networking
- Wireless Networking
- Digital Communications

## SKILLS

**Proficient-** Aruba AOS, Aruba CX, Cisco IOS, Microsoft Excel, Ekahau Wireless Design, Linux OS, Windows OS, Layer 2 networking

**Moderate-** OSPF, BGP, Static Routes, JavaScript, Node.js, HTML, AP provisioning using Aruba MM

**Beginner-** Python(Depending on network automation skills using Python through a UDEMY course), Multicast

## EXPERIENCE

### Brigham Young University

Aug 2023-Present

Network Engineer

Provo, UT

- Quickly automated and coordinated new switch configurations and cutovers using Microsoft Excel for a large layer 2 domain environment (over 15 switches)
- Reviewed campus building wireless designs requirements and created new designs using Ekahau software and sidekick to successfully meet business requirements, resulting in lower costs
- Demonstrated complex problem solving skills by auditing network equipment and the many variables associated with them, jacks, switch ports, connected equipment, MAC addresses, hostnames, etc. using Microsoft Excel. (Ensured that hundreds of access points were in the correct location.)
- Helped clean up potential misunderstandings in networking standards, and contributed to a *Confluence* database of BYU networking standards
- Excellent understanding of regulatory compliance such as HIPAA, FERPA by working for a university for 4 years
- Strong critical thinking skills. Excellent ability to notice networking equipment issues (such as device not in correct location, which may mean incorrect config), and potential issues that may occur because of initial problems

### Brigham Young University

Apr 2022-Apr 2023

Network Technician

Provo, UT

- Installed new networking equipment such as access points, switches, and cabling
- Helped upgrade campus cabling from CAT 5e to CAT 6a, and performed physical layer troubleshooting
- Lead a team of students in cabling upgrades

## RELATED PROJECTS

- Created a trail capacity monitoring system using LoRa wireless communications protocol, Chirpstack, and a Node.js web app for UTOPIA Fiber
- Set up an Active Directory Domain environment for BYU's Cybersecurity Research Lab
- Configured OSPF with BGP routes on Cisco IOS in GNS3
- Set up Ansible Network Automation Node in GNS3 to automate basic configurations

## VOLUNTEER EXPERIENCE

### The Church of Jesus Christ of Latter-day Saints

Feb 2018-Feb 2020

Missionary

Portland, Oregon

- Excellent communication skills developed by talking with strangers about Jesus Christ every day
- Self starter skills gained by planning and setting goals everyday and once a week that were determined by me and a missionary companion.

## ACHIEVEMENTS/ABILITIES

- Spanish
- Eagle Scout