

Jonah Abbott

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EDUCATION

Brigham Young University, Ira A. Fulton College of Engineering

Bachelor of Engineering, Cybersecurity

Apr 2028

Provo, UT

- GPA: 3.43/4.00
- *Full tuition academic scholarship recipient*
- ACT: 32

SKILLS

Programming languages: Python, C/C++, Bash scripting

Networking and Security: Nmap, Cisco CLI, Firewalls, Port Forwarding

Systems and Tools: WSL (Windows subsystem for Linux), Active Directory, Group Policy, Docker, Proxmox, AWS

Operating Systems: Windows, Linux (Kali, Ubuntu)

EXPERIENCE

BYU College of Engineering

Oct 2024 - Present

Windows System Administrator Part-time

Provo, UT

- Managed 200+ Windows machines, ensuring availability and security with FOG and CrowdStrike Falcon
- Reduced security vulnerabilities by 80 percent across the College of Engineering as a member of the IT Security Council

PROJECTS

- Performed authorized network scanning with **Nmap** in an enterprise environment to identify open ports and potential vulnerabilities, found and reported unused services such as **port 3389** on employee devices
- Hardened a base **Windows 10 image** through Group Policy and custom configurations, such as disabling **SMBv1** and enforcing account lockout thresholds, to improve system resilience against common attacks
- Configured home network firewall rules and port forwarding, deploying a **Raspberry Pi proxy server** with custom filtering rules to block unwanted content and enhance network security
- Launched and developed a **JavaScript web application** to practice and enhance name memorization techniques

VOLUNTEER EXPERIENCE

Team lead, Highland Highschool Robotics Club

Aug 2021 - May 2022

Gilbert, AZ

- Led a 4-person team in designing and programming competition robots, coordinating tasks across hardware and software to improve performance in regional competitions

Member, BYU Network Engineering Club

Sep 2024 - Present

Provo, UT

- Experienced with virtual machines to create networks on Proxmox gaining real-world experience in network design and administration

Member, BYU Cybersecurity Student Association

Sep 2024 - Present

Provo, UT

- Participated in competition CTF challenges, excelling in **OSINT** and Cryptography challenges