

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

CERTIFICATIONS

CompTIA Security+

Aug 2026

SKILLS

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

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

Systems and Tools: GitLab administration, WSL (Windows Subsystem for Linux), Claude Code, Active Directory, Group Policy, Docker

Operating Systems: Windows, Mac, Linux (Kali, Ubuntu)

EXPERIENCE

BYU Internet Security Research Lab

Research Assistant

May 2026 - Present

Provo, UT

- Contributed to passkey security research directed by Dr. Seamons (PhD Computer Science)
- Identified 5+ papers relevant to attacks against FIDO2 authentication

TaxHawk

IT Support Specialist Intern

Feb 2026 - Present

Provo, UT

- Delivered skilled IT support to 500+ end users
- Developed database access request form integrated with GitLab

BYU College of Engineering

Windows System Administrator, Part-time

Oct 2024 - Feb 2026

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

Member, BYU Cybersecurity Student Association

Sep 2024 - Present

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

Member, BYU Network Engineering Club

Sep 2024 - Present

- Built and administered virtual machine networks on Proxmox, gaining real-world experience in network design and administration

Team Lead, Highland High School Robotics Club

Aug 2021 - May 2022

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