Justin Applegate

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EDUCATION

Brigham Young University, Ira A. Fulton College of Engineering   Apr 2024 (Provo, UT)
- BS in Cybersecurity, Minor in Computer Science (GPA of 3.96)
- Academic, Full-Tuition Scholarship

- Junior Pentesting Certificate (eJPT)
- Placed in the top 2.4% in HacktivityCon CTF 2021
- Placed in the top 20% in 12 Capture the Flag competitions over the last year

EXPERIENCE

Security Engineer, *BYU Life Sciences IT*   Aug 2021 – Present (Provo, UT)
- Monitor security events of over 90 production servers daily using the Adlumin SIEM platform
- Audit administrator, login, and share access for 110+ Linux and Windows devices
- Respond to malware threats on hundreds of publicly-accessible lab and personal computers
- Approve and push out updates to hundreds of PCs and servers using Ansible and WSUS

Presidency, *BYU Cybersecurity Student Association*   Apr 2021 – Present (Provo, UT)
- Lead a competitive penetration testing team in bi-monthly training meetings as captain
- Organized teams for 8 CTF competitions where we consistently placed in the top 15%
- Developed and teach 10+ lessons focused on teaching beginners pertinent CTF skills

Research Assistant, *BYU Cybersecurity Research Lab*   Dec 2020 – Aug 2021 (Provo, UT)
- Designed/imaged 50+ devices of 7 different operating systems for a cybersecurity escape room
- Designed a segregated network for the room with a DHCP server, firewall, FOG server, VMs, etc.
- Wrote over 15,400 lines of code in Python, PHP, SQL, JavaScript, Bash, and C++
- Wrote a 56-page document on the layout, setup, and administration of the escape room

Volunteer Missionary, *Church of Jesus Christ*   Aug 2018 – May 2020 (Houston, TX)
- Trained and directed work of 16 missionaries while in various leadership positions
- Set and reported progress on companionship and area goals weekly

SKILLS AND TOOLS

General – Networking, Linux, Windows, Python, Software Development, Virtual Machines
Forensics/Reverse Engineering – Autopsy, Wireshark, Volatility, GDB, Ghidra, SQLite Browser
Web/Network – Burp Suite, Dirb, HTTrack, Httprint, SQLmap, Nessus, Nmap, Netcat
Pentesting – Metasploit, Msfvenom, John the Ripper, Hydra, enum4linux, Kali Linux
IT Management – Windows Active Directory, Group Policy, WSUS, Ansible, SIEMs

PERSONAL

- Languages: English (native), Spanish (proficient)
- ACTFL Spanish Certification (Advanced Low)
- Eagle Scout of the Boy Scouts of America
- Passionate about technology, sports, learning, and speaking Spanish