

Justin Applegate

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EDUCATION

Brigham Young University, Ira A. Fulton College of Engineering Jun 2020 – Apr 2024 (Provo, UT)

- BS in Cybersecurity, Minor in Computer Science (GPA of 3.99)
- Academic, Full-Tuition Scholarship
- ACT – 34

EXPERIENCE

Research Assistant, *BYU Cybersecurity Research Lab* Dec 2020 – Present (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 5 different languages
- Wrote a 56-page document on the layout, setup, and administration of the escape room

Volunteer CTF Instructor, *BYU Cybersecurity Student Association* Apr 2021 – Present (Provo, UT)

- Teach weekly training meetings on various skills used in cyber Capture the Flag competitions
- Organize teams for monthly CTF competitions online

Quality Assurance Web Tester, *Brigham Young University* Sep 2020 – Dec 2020 (Provo, UT)

- Found and reported an average of 20 bugs in web features per month as tickets in Jira
- Tested and approved an average of 17 code updates per month

Volunteer Missionary, *Church of Jesus Christ* Aug 2018 – May 2020 (Houston, TX)

- Trained and directed work of 16 missionaries while in various leadership positions
- Taught full-time in a one-on-one or small group setting in Spanish
- Set and reported progress on companionship and area goals weekly

TECHNICAL SKILLS

Proficient – Python, Networking, Linux, Windows, C++, Web Programming, Software Development

Moderate – Virtual Machines, SQL, Data Structures, Autopsy, Password Cracking

Learning – Burp Suite, Metasploit, Assembly, Pentesting

COMPETITIONS/CERTIFICATIONS

- eLearnSecurity Junior Pentesting Certificate (eJPT)
- Participated in 14 Capture the Flag (CTF) competitions in 10 months
 - Placed 2nd at BYU's Winter 2021 CTF
 - Placed in the top 6% at RedpwnCTF 2021
 - Placed in the top 20% in 7 different CTFs

PERSONAL PROJECTS (see github.com/JustinApplegate)

- Python – Autopsy keyword refiner
- C++ – port scanner, random password generator, encoding/decoding program
- John the Ripper – password cracking setup (personal wordlists, rule sets, etc.)

INTERESTS/ACHIEVEMENTS

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