

Justin Applegate

(480) 272-5344 • justink.applegate@gmail.com • <https://justinapplegate.me>

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 and imaged 45+ devices of 6 different operating systems
- Redesigned the network for a cybersecurity escape room with the 45+ devices
- Wrote a 22-page document on the layout, setup, and administration of the escape room

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 – C++, Web Programming, Git, Linux

Moderate – Python, Networking, SQL, John the Ripper

Beginner – Java, PHP, Nginx/Apache, Shell, Wireshark

COMPETITIONS

- BYU CTF 2020 – placed 3rd
 - Focuses on steganography, cryptography, web exploitation, networking, etc.
- justCTF 2021 – placed top 10%
 - Focuses on reverse engineering, forensics, binary exploitation, etc.
- MetaCTF 2020 – placed top 11%
 - Focuses on forensics, binary & web exploitation, cryptography, reverse engineering, etc.
- Hivestorm 2020 – placed top 16%
 - Focuses on hardening networks and devices, group policy settings, malware removal, etc.

PERSONAL PROJECTS (see github.com/JustinApplegate)

- C++ – port scanner, random password generator, encoding/decoding program
- HTML/CSS/JavaScript/Vue – personal website
- John the Ripper – password cracking setup (personal wordlists, rule sets, etc.)

INTERESTS/ACHIEVEMENTS

- Languages: English (native), Spanish (fluent)
- ACTFL Spanish Certification (Advanced Low)
- Member of BYU's Cybersecurity Student Association (CSA)
- Eagle Scout of the Boy Scouts of America
- Passionate about technology, sports, learning, and speaking Spanish