Justin Applegate

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EDUCATION

Brigham Young University, Ira A. Fulton College of Engineering   6/2020 – 4/2024 (Provo, UT)
BS in Cybersecurity, Minor in Computer Science (GPA of 3.99)
- Academic, Full-Tuition Scholarship
- ACT – 34

EXPERIENCE

Computing Specialist, *BYU Cybersecurity Research Lab*   12/2020 – Present (Provo, UT)
I help the faculty with various cybersecurity-related projects. Currently, I'm working on updating BYU's Immersive Cybersecurity Experience (ICE), a Star Trek-themed escape room that teaches participants cybersecurity skills.
- Combined all required files for the ICE into one GitHub repository and linked all the machines to it
- Wrote documentation on the layout, setup, and administration of the ICE

Quality Assurance Web Tester, *Brigham Young University*   9/2020 – 12/2020 (Provo, UT)
I used manual and automated testing to identify issues in current and new web features. I then generated tickets using clear language in Jira to help software developers understand the bugs.
- Found and reported an average of 20 bugs/month
- Tested and approved an average of 17 code updates/month

Volunteer Missionary, *Church of Jesus Christ of Latter-day Saints*   8/2018 – 5/2020 (Houston, TX)
- Taught full-time in a one-on-one or small group setting in Spanish
- Set and reported progress on companionship and area goals weekly
- Trained and directed the work of 16 missionaries while in various leadership positions

TECHNICAL SKILLS

Proficient – C++, CSS/HTML, Git, Linux
Moderate – JavaScript, SQL, Vue, Data Structures, John the Ripper
Beginner – Java, PHP, ColdFusion, Nginx, Shell, Python

COMPETITIONS

- MetaCTF CyberGames 2020 – placed 171st out of 1586 teams (top 11%)
  - Focuses on forensics, binary & web exploitation, cryptography, reverse engineering, etc.
- BYU CSA's CTF 2020 – placed 3rd out of 12 individuals (top 25%)
  - Focuses on steganography, cryptography, web exploitation, networking, etc.

PERSONAL PROJECTS

- 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