MARSHALL HAYMOND

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Education

Brigham Young University August 2019 - July 2022

Bachelor, Computer Science; Minor in System Administration
- Cumulative GPA: 3.5
- Prominent Coursework: Systems Security, Network Design, Algorithms & Complexity, Parallelism and Concurrency
- Senior Project: FamilyBlock, a blockchain solution that lets users store a family tree by utilizing a smart contract

Relevant Experience

Fidelity Investments June 2022 - Present
Full Stack Engineer Intern, Enterprise Cybersecurity Salt Lake City, Utah
- Developed and reviewed potential use cases for login and authentication process for new applications
- Built web applications demos with React and JavaScript to showcase how business can access several login pages more seamlessly
- Researched two-factor authentication solutions for new web applications to offer customers new ways to authenticate
- Brainstormed within a team, new solutions that enables better secure access to companies websites and user endpoints

Full Stack Engineer Intern, Advanced Process Solutions June 2021 - August 2021
- Collaborated in a daily team stand-up meetings, while using the agile development methodology Scrum
- Revamped web application performance by implementing server-side caching inturn improved application response times by 50%
- Updated seed data in the database of the web applications that controlled and facilitated varies permissions users needed
- Engaged in developing strategies to improve API development life cycle

Department of Energy CyberForce Competition November 2021
Web Security Analyst Rexburg, Idaho
- Secured and protected a web server and website from potential cyberattacks, to maintain usability for end users
- Demonstrated cybersecurity skills by solving real-world anomaly's which included cryptography, malware analyze, and securing code
- Analyzed a network infrastructure and developed security documentation detailing threats found on the network within a team

Brigham Young University OWASP Juice Shop Competition June 2022
Web Penetration Tester Rexburg, Idaho
- Engaged in a team that analyzed and exploited website cyber treats that enabled the team to score points and earn first place in the competition
- Utilized Kali Linux, Burp Suite, and self-made scripts written in python to discover and exploit vulnerabilities to score points throughout the competition
- Educated a team on web application vulnerabilities which included Cross-site scripting, Broken access control, and HTTP verb tampering
- Supervised and motivated our team throughout the competition to meet deadlines, stay coordinated, and stay organized

Leadership

Computer Science Drop-In Lab January 2021 - April 2021
Volunteer Tutor Rexburg, Idaho
- Supervised and reviewed students' projects
- Reinforced mastery of programming and general computer concepts as I taught other students
- Forged connections with newer students and increased students learning

New Student Mentor Program August 2020 - April 2021
Mentor Rexburg, Idaho
- Led incoming students in their transition to college by pairing them with experienced students
- Increased new students access to academics, discipleship, leadership, career, campus, and social resources
- Mentored new students to enable them to gain valuable information about the campus and the atmosphere of BYU-Idaho

Tools and Certifications

Competent
- C++, Java, Python, Amazon Web Server, Linux
- HTML, CSS, JavaScript, TypeScript, Redis, Rego, React

Certifications
- System Administration Certification Brigham Young University-Idaho
- Machine Learning Fundamentals Certification Brigham Young University-Idaho
- TestOut PC Pro, Security Pro, Network Pro
- Machine Learning Coursera