Raine Johnson

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Education

B.A. Computer Science and Cybersecurity   **Sept 2022 – Jun 2026**
University of Washington Bothell

Grayhats Cybersecurity Club   **Aug 2024 – Present**
University of Washington Bothell

Experience

University Of Washington   **July 2023 – Present**
Activity and Recreation Center Building Manager   *Bothell*

- Enhanced the ARC's security by leading cybersecurity awareness training sessions for 50+ employees, reducing risks of human error and potential breaches.
- Implemented security protocols to protect network and technical systems used during events, ensuring adherence to internal cybersecurity policies.
- Maintained secure video, audio, and networking operations, safeguarding data integrity and preventing unauthorized access.

Bose   **Jan 2022 – Sept 2022**
Roadshow Engineer   *International*

- Collaborated with a team to manage sensitive project files in a secure git repository, ensuring proper version control and access security.
- Designed virtual reality (VR) demonstrations using C++ with a focus on securing communication channels between hardware systems during international presentations.
- Ensured systems operated securely and in line with both marketing and engineering requirements, adhering to data protection and confidentiality standards.

Microsoft   **July 2021 – Sept 2022**
Certification and Accessibility Tester   *Redmond*

- Conducted security tests on Xbox products, including network calls and crash dumps, identifying potential vulnerabilities and enhancing product integrity.
- Introduced and enforced strict security protocols for protecting personal identifiable information (PII) during testing.
- Utilized debugging tools to identify and resolve security issues, including title stability and system integrity, contributing to the overall resilience of Xbox products.

Projects

Managing API Keys and Files | *JavaScript Github*   **July 2024**

- Designed and implemented a secure system to manage and store API keys, ensuring proper encryption and access control.
- Automated processes for API key rotation and monitoring to reduce the risk of unauthorized access.
- Developed best practices for file handling and storage, focusing on data encryption and minimizing exposure of sensitive information.

SQL Injection Prevention | *CSS, EJS, JavaScript Github*   **July 2024**

- Developed and implemented input validation techniques to prevent SQL injection vulnerabilities in web applications.
- Utilized prepared statements and parameterized queries to securely handle user inputs and prevent malicious SQL execution.
- Conducted security audits and testing to identify and mitigate potential SQL injection risks, ensuring database integrity and protection.

Skills

Skills: Incident Response, Ethical Hacking, Scripting, NIST Cybersecurity Framework, XCERT, Fiddler, C++, Java, HTML, SQL, Python, git, GitHub, LaTeX, Packet Filtering, Risk Analysis, Penetration Testing, Node.js, Cross-Site Request Forgery, Security Logging, Access Control

Certifications

Certificate 1: ISC2 CISSP Cybersecurity Certification
Certificate 2 : Codecademy Cybersecurity Certification
Certificate 3 : Cascadia College Computer Programming Foundations Certificate