Reece Watkins

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EDUCATION

2019 - 2023	**Bachelor of Computer Science : Networks and Security concentration** **Colorado State University**
Coursework	Advanced Networks and Security, Modern Cybersecurity, Networking and the Internet, Algorithms, Database Management, Operating Systems, Machine Learning, Blockchain

PROJECTS

Advanced Networks and Security   *Databases, Kali, Wireshark, Metasploit, LAMP, pfSense, SELKS*

Link to Project and System Analysis and Incident Reports - Titled 'CIS413 OpenSeason'

-   Instantiate and configure different virtual machines and operating systems (Ubuntu, Windows Server, pfSense, SELKS IDS/IPS) through vSphere and maintain secure configurations and access control.
-   Performed security analysis, documented results, remediated vulnerabilities and issues, written and presented incident preparedness and response reports.
-   Compromised other students' UNIX and Windows systems.
-   Built LAMP frameworks to host a web application with both MSSQL and MySQL databases.

Team Software Development   *Agile, Scrum, Javascript, React, Java, gitHub, ZenHub, JUnit*

-   Team collaboration in planning and developing a web service that provided geo-spatial mapping functionality.
-   Received product requirements provided by the client, developed product design and functionality, created a reasonable development timeline and followed the software lifecycle.
-   Followed Agile development protocol and Scrum practices as well as Clean Code and Test-Driven Development practices.
-   Built a dynamic and responsive web application using React JavaScript frontend framework and Java backend server support.

IoT Security Issues and Mitigations   *IoT, Distributed Systems, Network and System Stacks*

Link to Research Paper - Titled 'IoT Security Issues and Mitigations'

-   Group research paper/project focused on how IoT was first developed and how IoT ecosystems grew in use and scope.
-   Investigated and analyzed security issues in past and present implementations of IoT environments. Provided suggestions for better data protection, user privacy, and data management cycles.

SKILLS

Programming Languages:	Proficient: Java, C, C++, Python Familiar: JavaScript, SQL, bash, Solidity.
Libraries / Frameworks:	React, LAMP, Docker, OWASP, Kill Chain, Ethers
Tools / Platforms:	SELKS and Snort IDS/IPS, Metasploit, Wireshark, nmap, pfSense, Git, Kali, UNIX, Ubuntu, Windows, OSI, TCP/UDP, RESTful API, SIEM, numpy
Databases:	MSSQL, MySQL, PostgreSQL

TECHNICAL COMPETENCIES

-   Effective communicating complicated tech concepts to tech and non-tech audiences.
-   Hands-on experience performing security analysis of systems, documenting results and potential vulnerabilities, and preparing incidents preparedness and response reports.
-   Expertise configuring and maintaining Windows and UNIX systems.
-   Advanced understanding of low-level computer operations and networking concepts (TCP, OSI, TLS, PKI, System Calls).

PROFESSIONAL SKILLS LEARNED FROM PAST EMPLOYMENT

Recent Past Roles Held : Cook, Building Materials Sales, Liquor Store Shift Manager, Stonemason Apprentice

-   Selected for leadership/mentoring/management at every job.
-   Consistently and continually operated under stressful conditions with short deadlines and with many moving parts.
-   Provide customer service in a litany of roles and responsibilities.
-   Communicated effectively and per-situation to ensure goals were met and needs were filled.
-   By recognizing a customer's wants and balancing them with the organization's interests, I can provide best value to both.
-   By understanding expectations and responsibilities within my purview, I can generally problem solve and autonomously accomplish goals.