

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

[Link to Team Development Project](#)

- 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 app 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, Linux, Windows, OSI, TCP/UDP, RESTful API, SIEM, numpy, vSphere, Azure	
Databases:		MSSQL, MySQL, PostgreSQL, SQLite

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.