

# Reece Watkins

 Reec3 |  reec3-watkins |  watkins.d.reece@gmail.com |  +1.720.899.2801

## EDUCATION

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2019 - present Bachelor's Degree of Computer Science: **Networks and Security concentration** at **Colorado State University** **May 2023 (Expected)**  
Coursework Modern Cybersecurity, Networking and the Internet, Algorithms, Database Management, Parallel Programming, Machine Learning, Blockchain, Operating Systems

## PROJECTS

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### 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

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### Programming Languages:

Java, C, (familiarity with) : Python, Javascript, SQL, bash

### Libraries/Frameworks:

React, LAMP, Docker, OWASP

### Tools / Platforms:

SELKS and Snort IDS/IPS, Metasploit, Wireshark, nmap, pfSense, Git, Kali, UNIX, Ubuntu, Windows, OSI, TCP/UDP, RESTful API

### Databases:

MSSQL, MySQL

## TECHNICAL COMPETENCIES

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- 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

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

- Selected for leadership/mentoring/management at every job.
- Communicated effectively and per-situation to ensure goals were met and needs were filled.
- 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.
- By recognizing a customer's wants and balancing them with the organization's interests, I can provide value best to both.
- By understanding expectations and responsibilities within my purview, I can generally problem solve and autonomously accomplish goals.