

## EDUCATION

### BACHELOR OF SCIENCE IN COMPUTER SCIENCE, MINOR IN BUSINESS ADMINISTRATION

Colorado State University

- GPA 3.18

Aug 2022 - Dec 2025

## EXPERIENCE

### COMPUTER SCIENCE PEER MENTORING LEAD

Department of Computer Science CSU | Fort Collins, CO

2024 – 2025

- Coordinated weekly planning meetings to align mentors, mentees, and program leadership on goals, timelines, and event execution.
- Organized and supported on-site peer mentoring events, managing coordination, attendance, and communication.
- Applied project management principles to meet deliverables within a fixed timeline and scope.

### STUDENT FEE REVIEW BOARD: CAMPUS REC LIAISON

Colorado State University | Fort Collins, CO

2023 – 2025

- Conducted in-depth analysis of multimillion-dollar budgets, influencing key financial decisions and refining fiscal allocations.
- Managed a budget exceeding \$54 million, ensuring effective fund allocation.
- Maintained budget growth below a 2% increase year-over-year through strategic review and cost evaluation.

### OFFICE FOR UNDERGRADUATE RESEARCH AND ARTISTRY LAB ASSISTANT

Colorado State University | Fort Collins, CO

2024 – 2025

- Developed and conducted Microsoft Office training sessions (Excel, Word, PowerPoint).
- Conducted an independent study in human psychology, producing a short documentary that demonstrated research synthesis, storytelling, and advanced video editing.

## PROJECTS

### NYC TAXI TIP PREDICTION SYSTEM

Big Data / Machine Learning Project | <https://github.com/maywok/taxi-tip-prediction>

2025

- Built a data-driven prediction system to estimate taxi tip amounts using large-scale NYC taxi trip data.
- Evaluated model performance and identified behavioral patterns influencing tipping to improve prediction accuracy.

### COSMIC ROCKERS – 2D VIDEO GAME

Game Development Project | <https://github.com/csu-hci-projects/FA25-Cosmic-Rockers>

2025

- Developed core gameplay systems through custom scripting, implementing player mechanics, interactions, and game logic.
- Integrated peer-to-peer multiplayer functionality using Steam's API to enable online player connectivity.

### PENETRATION TESTING & INCIDENT RESPONSE PROJECT

Cybersecurity Project

2025

- Conducted a controlled penetration test against a simulated production environment, identifying critical vulnerabilities including a backdoored FTP service (CVE-2011-2523).
- Analyzed attack paths, assessed impact, and produced a formal incident response report with prioritized remediation recommendations.

## SKILLS

- Programming Languages:** Python, Java, JavaScript, C++/C, SQL, R, HTML, CSS
- Data Analysis & Management:** Microsoft Excel, Word, PowerPoint (Microsoft 365)
- Video & Visual Editing:** Adobe Premiere Pro, After Effects, Photoshop
- Software Development Practices:** DevOps principles, software testing, debugging, system architecture
- Business & Management:** Project management, strategic planning, accounting, financial analysis
- Communication:** Technical documentation, presentations, cross-functional collaboration
- Tools:** MapReduce, Spark, HDFS, Nmap, Metasploit