JAYDEN ALONZO-ESTRADA

Software Engineering and Cybersecurity Intern

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TECHNICAL SKILLS

Python Coding	C Coding	Zero Trust Principles	AI Modeling
Project Management	System Architecture	Backend Services	Incident Management Tools
SecOps	Risk & Compliance Mechanisms	Authentication and Authorization Systems	Testing and Evaluation Automation

PROFESSIONAL EXPERIENCE

Field Technician, Greenflare Technologies, Denver, CO   **Oct 2024 — Present**

- Repair and maintain high-throughput compute systems, restoring nodes and improving production hardware uptime.
- Diagnose bottlenecks via packet captures and targeted tests, boosting network throughput by ~20% in high-traffic areas.
- Implement systematic troubleshooting playbooks for recurring issues, reducing mean time to resolution on field calls.

Software Engineering Intern, JGMS Government Services, Grand Junction, CO   **Jun 2025 — Aug 2025**

- Shipped an internal RAG web framework service with LangChain, Supabase, Uvicorn/FastAPI, and React, reducing document lookup by ~3 hours/week through natural language dissemination and embedding-based retrieval.
- Implemented retrieval evaluation and logging to track top-k accuracy and latency, enabling iterative quality improvements through 2-week feature development sprints within an 8-week delivery window.
- Drove cross-team requirements, user testing, and backlog grooming, with a focus on experiment reproducibility and detailed documentation to align scope with stakeholder needs and hit the team's release milestone.

Software Engineering Intern, Fiore Industries, Albuquerque, NM   **Jun 2024 — Aug 2024**

- Delivered a working RF-to-optical testing protocol and pipeline in 2 weeks using MPLAB and low-level C, automating signal sweeps and data capture for component validation of mission critical equipment.
- Authored repeatable evaluation procedures, improving test reliability and shortening debug cycles for hardware teams.
- Researched competitor profiles to inform product direction, consolidating findings into actionable internal briefs.

LEADERSHIP EXPERIENCE

President, CMU Computer Science and Cybersecurity Club, Grand Junction, CO   **Aug 2023 — Present**

- Built and operated a student high-performance, distributed-computing cluster to support coursework, experiments, and competition practice.
- Coached multiple competitive coding teams to national events with average top-10 placements.
- Partnered with a local cybersecurity firm for workshops and guest speakers, translating industry practices into club exercises.

EDUCATION

Major: Computer Science, Minor: Cybersecurity, Focus: AI Application, GPA: 3.56   **Aug 2023 — Present**

Colorado Mesa University, Grand Junction, CO, Expected Graduation: May 2027

- Captained coding and cybersecurity teams to multiple national competitions, achieving 4th in regional standings in the first year.
- Founded initiatives linking local companies with student clubs via cybersecurity fairs and talks to grow mentorship and recruiting.
- Related coursework: Probability and Statistics, OOP & Design Patterns, Intro to Database, Intro to Algorithms, Python Machine Learning.

Class of 2027   **Jun 2022 — Present**

Thrive Scholars

- Selected for a multi-year career program; completed rigorous training in quantitative analysis, communication, and career readiness.
- Produced market and technology briefs on international opportunities, distilling complex trends into practical recommendations.