ENRIQUE CIPRIANO

Oklahoma City, OK I (405) 977-2440 I ecipriano@uco.edu I https://eacresume.netlify.app/

Education

University of Central Oklahoma, bachelor's in computer science, Expected May 2026, Edmond, OK

Relevant Coursework

*Data Structures • Algorithm Analysis • Artificial Intelligence • Systems Programming
Software Methodology • Database Management • Internet Technology • Computer Architecture, Cloud web app and development, Application and Database Management, Cybersecurity , Software Engineering*

Experience

Tinker Air Force Base
Software Engineer-Embedded-intern (Active Security Clearance) — May 2024 –present, Oklahoma City
Year 1 – rotational intern (summer of 2024)

- Debugged and documented complex software issues across large codebases, improving reliability and maintainability.
- Rotated across multiple squadrons, collaborating with experienced technologists to scope and deliver solutions to real operational challenges.
- Supported network security tasks, including working with Cisco switches within secure environments

Year 2- Embedded intern and Peer instructor (Summer of 2025)

- Worked directly on the MFD (multi-functional display) embedded system application, integrating physics and math intensive models tied to aviation radar behavior and flight dynamics (second year as an embedded intern)
- Led an intern team through Agile sprints on a full-stack aviation simulator (~100k LOC); owned stand-ups, reviews, and Jira board hygiene while mentoring peers on Git workflows..Trained and mentored new interns, serving as a technical instructor and peer leader.

Paycom Invitational Technology Program
Participant — June 2022, Oklahoma City, OK

- Completed lessons in React/JavaScript, C#, secure network applications, and DevOps lifecycle practices; delivered team projects mirroring industry workflows.

Projects

Affordable Contractors I Full-Stack Web App (React + REST API)

- Full-stack application connecting local contractors with homeowners: React single-page UI, custom REST API, and persistent storage.
- Built endpoints for job create/read/update, applications, and status updates; validated JSON payloads and handled authentication/session logic.
- Implemented responsive, accessible UI and streamlined job posting/matching flows; iterated using user feedback.
- Developed the backend with Flask, designing database models, writing migrations, and seeding data to support scalable and reliable job/contractor matching.

Crypto Tracker I Web Application (JavaScript/React, HTML, CSS, SASS, Flask,RESTAPI'S,[AI/LLM])

- Built a real time crypto analytics platform with API integration, enabling instant price tracking ,historical trend visualization and watchlist management
- Developed a robust API client layer that normalized JSON responses managed retries, and cached results to reduce rate-limit issues - ensuring low-latency and high reliability data delivery, crucial in Financial systems
- Extended application with a chatGPT-powered financial assistant (wrapper around Open API) to provide natural queries like "Explain BTC price swings this week" or "Summarize ETH risk factors"

MFD/PFD Plane Simulator — Full-Stack Aviation Simulator I Python, React, Confluence, Jira, Git Bash

- Worked on a multi-function display (MFD) embedded system application, integrating physics- and math-intensive models tied to aviation radar behavior and flight dynamics.
- Led an intern team through Agile sprints on a full-stack aviation simulator (~100k LOC); managed stand-ups, code reviews, and Jira board hygiene while mentoring peers on Git workflows.
- Implemented bug fixes and contributed new features directly to the simulator codebase, ensuring stability and continuous improvement of core functionality.

Technical Skills

Programming: JavaScript, Java, Python, C++, C#, HTML, CSS

Frameworks/Tools: React, Django, Git, Bitbucket, Firebase, MySQL, Agile(methodology)

Languages: English (Native), Spanish (Native)