

Rodolfo “Rudy” Ruiz

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Professional Summary

Computer Science student at UCF with hands-on experience in systems, debugging, and data analysis. Proficient in Python, C, C++, Java, and SQL. Corporal & Command Center Operator at Universal Orlando with experience in incident documentation, coordination, and training. Seeking Summer 2026 roles in Systems Engineering, Show Systems, ATI/R&D, or Data Analytics.

Education

University of Central Florida (UCF) — Orlando, FL | B.S. in Computer Science, Expected 2026
Key Coursework: Data Structures & Algorithms, Computer Logic & Organization, Systems Programming, Predictive Modeling

Selected Projects

- **Predictive Text Assistant (Trie)** — Prefix search in C with frequency tracking and predictions.
- **MySPIM (MIPS) Simulator** — Instruction decode, memory model, debug execution lifecycle.
- **TinyVM Interpreter** — Stack-based VM with arithmetic/control flow, robust error handling.

Professional Experience

Universal Orlando Resort — Security Corporal & Command Center Operator (Apr 2022 – Present)

- Coordinate dispatch and communications; analyze incident trends for safe operations.
- Field Training Officer (FTO): onboard & mentor officers, ensure reporting accuracy.
- Compile incident documentation to support investigations.
- Monitor systems (comms/surveillance) and make quick, informed decisions.

Walt Disney World — Lifeguard (May 2021 – Apr 2022)

- Monitored high-capacity aquatic zones; enforced safety protocols and responded to emergencies.
- Completed incident reports with accuracy and clarity.

CVS Pharmacy — Sales Associate (Nov 2021 – Apr 2022)

- Processed payments and supported inventory tracking with accurate data entry.
- Assisted with identifying discrepancies and internal loss prevention.

Technical Skills

Programming: Python, C, C++, Java, SQL, Bash | Data: Pandas, NumPy, Tableau, Power BI, Excel |
Tools: Git, VSCode, Linux, Testing

Leadership & Achievements

Field Training Officer (FTO); Command & Corporal Trained; recognized for composure under pressure, de-escalation, and documentation.