

CRISTIAN HERNANDEZ – SOFTWARE ENGINEER

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EDUCATION

University of South Florida (USF) Tampa, FL

Bachelor of Science in Computer Science - *Expected May 2026* - **GPA: 4.0** | **Dean's List**

Relevant Coursework: Data Structures & Algorithms, Software Engineering, Database Design Systems, Big Data, Artificial Intelligence, Robotics, Programming Concepts, Statistics

TECHNICAL SKILLS

Programming: Python, C/C++, JavaScript, Java, C#, SQL, COBOL, Git

Tools & Frameworks: Agile, AWS, Docker, Hadoop, Pandas, NumPy, Flask, Node.js, React.js, GitHub

EXPERIENCE

Software Engineer Intern: *The Family Jewelry*, May 2025 – Present

- **Built and launched a customer-facing website** using **JavaScript, HTML/CSS**, and **WordPress**, improving local SEO and increasing client acquisition by **45%** within 1 months.
- Managed end-to-end deployment and maintenance of web infrastructure, achieving **90+ performance scores** in Lighthouse for load speed and accessibility.

Chick-fil-A Team Leader | January 2021 – June 2024

- Led and motivated a team of **20+ employees**, increasing operational efficiency by **15%** through **resource management, collaborative training**, and **effective communication**.
 - **Trained** the team members on service standards and workplace responsibilities, fostering **leadership, adaptability**, and **teamwork** while supporting a **productive work environment**.
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PROJECTS

Financial Tracker | **Node.js, TypeScript, React, PostgreSQL** | [Website Link](#) | [GitHub](#)

- Built and deployed a secure **full-stack** financial tracking platform with user authentication and persistent **data storage**, enabling real-time expense monitoring.
- Leveraged **AI**-powered insights to analyze spending habits and deliver personalized recommendations, helping users cut expenses by **30%** through **data-driven** guidance.

Autonomous Robot Navigation System | **Python, Webots** | [Demo](#)

- Developed a robot navigation model using **navigation techniques** and **particle filters for localization**, achieving a **98% collision-free rate** in simulated environments.
- Integrated multiple sensor inputs using OOP principles for real-time navigation and obstacle detection.

InCollege Social Networking Platform | **COBOL, Agile, Git** | [GitHub](#)

- Collaborated in a 5-person Agile Scrum team using Jira and Git branching strategies to deliver a modular COBOL-based social networking platform with authentication, account management, and interactive navigation features across 3 sprints.
 - Streamlined development by designing reusable subprogram architecture and automating builds with Make, improving maintainability and workflow efficiency by 60%.
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LEADERSHIP & ACTIVITIES

Association for Computing Machinery (ACM) | **Member** - *University of South Florida* | 2024 – Present

- Attended coding sessions and workshops on **ML, cloud**, and **system design** to improve **problem-solving** and **communication** skills.