

FRANCISCO MARTINEZ

Master of Computer Science Student - University of California, Irvine

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PROFESSIONAL SUMMARY

Incoming MCS Student at UC Irvine | Aspiring AI/ML Engineer | Experienced in Full-Stack Web & Mobile Development
Motivated and solutions-driven developer with leadership experience and a solid foundation in AI/ML, web, and mobile technologies. Skilled in building secure, scalable applications using relational databases, RESTful APIs, authentication services, and modern front-end frameworks.

EDUCATION

Master of Computer Science
University of California, Irvine
Sept 2025 - Dec 2026

Bachelor of Science, Computer Science with Honors in the Major
California State University - Dominguez Hills
Aug 2023 - Dec 2024
• Cumulative GPA: 3.0

EXPERIENCE

Merchandiser
Costco Business Center
April 2021 - Present Hawthorne, CA
• Applied analytical skills to identify and resolve inventory discrepancies to ensure product availability
• Demonstrated leadership by addressing safety concerns and collaborating with management to implement preventative measures
• Reduced inefficiencies in inventory management by utilizing problem-solving skills to optimize workflow

RESEARCH EXPERIENCE

Research Assistant
California State University, Dominguez Hills
Sept 2023 - May 2024 Carson, CA
• Conducted research leveraging AI/ML models and social network analysis to study misinformation propagation.
• Identified sub-networks vulnerable to misinformation due to high clustering and reliance on influential nodes, providing insights into structural vulnerabilities.
• Utilized Python, Pandas, and Pytorch to process large datasets and train predictive models

PROJECTS

Purrfect-Health, Full Stack Mobile Application
React Native, TypeScript, Expo Go, Firebase
• Developed a cross-platform mobile application using React Native and Firebase, enabling pet owners to manage feeding schedules, veterinary appointments, and routine care reminders, providing a user-friendly, cost-free alternative to subscription-based services.
• Implemented secure user authentication and data storage solutions, ensuring reliable and safe access to personalized pet care information.

- Designed and deployed the application using Expo, streamlining the development process and facilitating seamless updates and maintenance

Personal Website

React.js, TypeScript, AWS S3

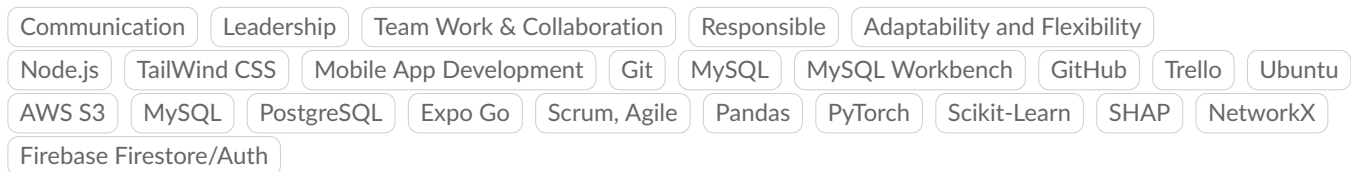
- Developed a responsive personal portfolio website using React, TypeScript, and Tailwind CSS, showcasing professional skills, certifications, and key projects to enhance personal branding and online presence.
- Integrated AWS S3 for secure asset storage and retrieval, enabling efficient access to professional documents such as résumé and profile photos.
- Automated a deployment pipeline to update the résumé from GitHub to AWS S3, improving update speed and ensuring the latest version is consistently accessible.

Cipher Care, Desktop Application

Java, Java Swing, MySQL

- Developed a secure healthcare application using Java Swing and MySQL, ensuring compliance with HIPAA guidelines through robust encryption of patient data
- Led the project using Agile Scrum methodology, facilitating iterative development and effective collaboration to address key challenges in healthcare administration.
- Implemented a user-friendly interface for managing patient records, enhancing data accessibility and streamlining administrative workflows.

SKILLS



PROGRAMMING LANGUAGES

Python Java C++

