

# FRANCISCO MARTINEZ

Master of Computer Science Student - University of California, Irvine

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## PROFESSIONAL SUMMARY

Incoming Master of Computer Science student at UCI focusing on Artificial Intelligence and Machine Learning. Highly motivated with leadership experience and a strong background in web and mobile app development. Skilled implementing solutions with relational databases, authentication services, RESTful APIs, and front-end technologies.

## 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

Certificate of Achievement, Computer Science With Honors

El Camino Community College

June 2021 - May 2023

- GPA: 3.6

## 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

# PERSONAL PROJECTS

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## Full Stack Mobile Application

**React Native, TypeScript, Expo Go, Firebase**

- Developed a mobile app to help pet owners manage feeding schedules, vet appointments, and routine reminders, offering a cost-free alternative to paid services.
  - Integrated Maps API to enable users to locate nearby pet care facilities quickly and efficiently.
  - Created use-case, UML, and flow diagrams to document system functionality, user interactions and process flows for clear communication and a structured development.
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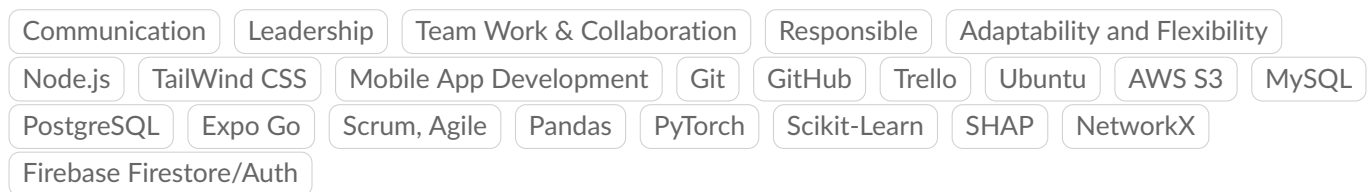
## Personal Website

**React.js, TypeScript, AWS S3**

- Designed and developed a responsive, cross-platform portfolio website using React.js and TypeScript to demonstrate relevant education, skills, and experience.
- Implemented AWS S3 bucket functionality to safely store and retrieve essential project assets such as resume and professional photograph.
- Created a pipeline to pragmatically store resume from GitHub using GitHub actions onto AWS S3, drastically increasing the availability of my resume website.

# SKILLS

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# PROGRAMMING LANGUAGES

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Python Java C++