

# FRANCISCO MARTINEZ

Master of Computer Science Student - University of California, Irvine

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Francisco-Martinez

## PROFESSIONAL SUMMARY

Incoming Master of Computer Science student at UCI focusing on Artificial Intelligence and Machine Learning. Highly motivated recent baccalaureate 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.

## EXPERIENCE

### Merchandiser

#### Costco Business Center

April 2021 – Ongoing

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

### Purrfect-Health 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.

### Personal Portfolio

#### 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.

## SKILLS

Communication

Leadership

Team Work & Collaboration

Responsible

Adaptability and Flexibility

Node.js

TailWind CSS

Mobile App Development

Git

GitHub

Trello

Ubuntu

AWS S3

MySQL

PostgreSQL

ExpoGo

Scrum-Agile

Pandas

PyTorch

Scikit-Learn

SHAP Explainer

NetworkX

Firebase Firestore/Auth

## PROGRAMMING LANGUAGES

Java

C++

Python

## EDUCATION

### Master of Computer Science

#### University of California, Irvine

Sept 2025 - Dec 2026

### Bachelor of Science, Computer Science

#### California State University - Dominguez Hills

Sept 2023 – Dec 2024

GPA: 3.8

Commulative GPA: 3.0

### Certificate of Achievement, Computer Science

#### El Camino Community College

June 2021 - May 2023

GPA: 3.6