FRANCISCO MARTINEZ

Aspiring Software & Machine Learning Engineer

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● franciscomartinez45

PROFESSIONAL SUMMARY

Highly motivated recent graduate 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. Passionate about delivering, scalable, and user-friendly solutions.

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.

CERTIFICATES

Certificate of Achievement - Computer Science
El Camino College   📅 2023

Certificate of Completion - CSU General Breadth
El Camino College   📅 2022

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
HTML   CSS   JavaScript

EDUCATION

B.S. - Computer Science
California State University - Dominguez Hills

📅 Sept 2023 – Dec 2024

- GPA: 3.8
- Commulative GPA: 3.0

El Camino Community College

📅 June 2021 - May 2023

GPA: 3.6