Francisco Martinez

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Motivated and detail-oriented recent Computer Science graduate with advanced proficiency in Python and C++ with hands-on experience in developing full-stack applications using PHP, HTML, CSS, JavaScript and MySQL. Skilled in creating mobile applications with React Native and web solutions using React.js. Proficient in object-oriented programming, agile methodologies, and collaboration tools such as Trello and Git. Eager to leverage my technical expertise and passion for problem solving to contribute to innovative projects and grow as a software developer with a dynamic organization.

EDUCATION

California State University, Dominguez Hills   **December 2024**
Bachelor of Science in Computer Science   Carson, CA

RELEVANT SKILLS AND TOOLS

Programming: Python(Advanced), C++(Advanced), Java(Intermediate)
Web Development: JavaScript, TypeScript, HTML, CSS
Frameworks and Libraries: Java Swing, Google Places API
Database: MySQL, Firebase Firestore(No-SQL)
Tools: Git , GitHub, Trello, Ubuntu-Linux
Methodologies: Scrum-Agile

RESEARCH EXPERIENCE

Research Assistant - California State University, Dominguez Hills | 10/2023 – 05/2024
"Addressing Health Disparities through Improved Health Literacy in Minority Populations"
- 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.
- Gained expertise in machine learning, data analysis, algorithm design, while addressing real-world societal challenges.

PROJECTS

Cipher-Care Desktop Application(Java, Java Swing Framework, MySQL):
- Electronic Medical Records management application created to centralize the current fragmented system to reduce inefficiencies in health services provided to patients.
- Followed HIPAA guidelines for managing sensitive patient data by storing only encrypted data into the database.

Purrfect-Health Full Stack Mobile Application(React Native, Firebase Firestore):
- Built to help pet owners to manage feeding schedules, vet appointments, or routine reminders, providing a user-friendly, cost free alternative to subscription-based services
- Integrated Maps API to enable users to locate nearby pet care facilities quickly and efficiently
- Leveraged Firebase Firestore for secure, real-time data storage, achieving 99.999% uptime for reliable pet care scheduling

PROFESSIONAL EXPERIENCE

COSTCO BUSINESS CENTER (HAWTHORNE,CA)
April 2021-Present
- Collaborated with team members to maintain inventory accuracy, ensuring consistent product availability.
- Enhanced customer satisfaction by resolving issues efficiently, demonstrating problem-solving skills.
- Proposed solutions to improve workflow and reduce inefficiencies