ANDRES F. QUINTANA

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EDUCATION

California State University, Fullerton – May 2024	**Saddleback Community College – May 2022**
Bachelor of Science, Computer Science	Associate of Science, Physics
Minor in Mathematics	Associate of Arts, Liberal Studies
GPA: 3.5/4.0	GPA: 3.54/4.0

TECHNICAL SKILLS

Programming Languages: C++, Python, Java, ARM Assembly, Swift; Exposed to PostgreSQL, MIPS, R, JavaScript.
Frameworks: Next.js, Bootstrap v5
Concepts: Object-oriented programming, algorithms, data structures, machine learning, data science, big data, and AI.
Operating Systems: Linux OS, Raspbian OS, Unix OS, and Windows.
Methodologies: Agile methodology and MVC pattern.
Bilingual: Spanish and English.

WORK EXPERIENCE

The Willows Foundation - IT/Finance Associate   **July 2022 – July 2024**
- Trained and guided the administration team, leading to increased IT efficiency and a more streamlined workflow.
- Improved daily operations in the finance office by implementing new accounting processes, resulting in a 20% reduction in processing time for financial reports.
- Led the implementation of a Point-of-Sale (POS) system, replacing the manual process, which improved transaction accuracy and efficiency by 30%
- Collaborated with finance team members to identify and execute process improvements, enhancing financial reporting accuracy and achieving a 15% improvement in report accuracy.

MLSP - Office Assistant   **Oct 2021 – July 2022**
- Efficiently coordinated schedules for meetings and open house events, increasing agent productivity and client satisfaction
- Streamlined the organization of paperwork and documents related to property listings and client interactions, reducing document retrieval time.
- Handled emails and inquiries from clients and potential buyers, ensuring timely and professional responses, which improved client engagement and retention.

AFQ S.A.S – Intern   **Summer 2021**
- Developed and designed comprehensive audit reports using the Telerik platform, enhancing report accuracy and clarity.
- Gained hands-on experience with JavaScript, MVC pattern, SQL Server, ASP.NET, C#, and HTML5, significantly broadening technical expertise.
- Participated in rigorous testing of records, identifying and resolving discrepancies

PROJECTS

REFT (Real Estate Tokenization Framework) - *Team member*
- Conceptualized and designed a blockchain-based Real Estate Tokenization Framework to revolutionize real estate transactions.
- Developed smart contracts using Solidity and integrated with RainbowKit and Ethereum for seamless asset management and tokenization.
- Implemented Next.js Auth for user authentication, Prisma for database management, and external APIs like MetaMask for wallet integration, ensuring a robust and secure platform.

Text Sentiment Analyzer - Developer
- Conducted sentimental analysis on Amazon food reviews dataset using Natural Language Toolkit and Naïve Bayes algorithm.
- Preprocessed data through tokenization, stop word removal, stemming, and lemmatization for effective analysis.

Total Fitness Factor Score Approximation - Research
- Conducted an individual project on approximating Total Fitness Factor Score using R with data from CSU Fullerton's College of Health and Human Development.
- Conducted data cleaning, EDA, and correlation exploration, focusing on key variables and Fitness Total.
- Developed and evaluated multiple linear regression models.

Image Classification- Developer
- Develop an image classification model using CNN and TensorFlow for the CIFAR-10 dataset.
- Conducted data preprocessing, including loading, normalizing pixel values, and flattening label values.
- Implemented a Sequential model, compiled and trained the model using Adam optimizer, Sparse Categorical Crossentropy loss, and Sparse Categorical Accuracy metric.
- Evaluated and visualized training history, calculated accuracy, and generated a confusion matrix with a classification report.

The Stock Purchase Maximization Problem - Developer
- Designed, implemented, and analyzed exhaustive and dynamic programming algorithms for the Stock Purchase Maximization Problem using Python.
- Evaluated a range of optimization techniques and their performance.
- Developed efficient algorithms to maximize stock purchases with limited financial resources.