JUAN SIERRA

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EDUCATION

California State University, Fullerton
- Bachelor of Science in Computer Science
- Graduation Date: December 2023
- GPA: 3.5

TECHNICAL SKILLS

Languages | C, C++, Java, Javascript, Node.js, Python
Back End | MySQL, PostgreSQL, MongoDB, NGINX, Flask
Front End | React, React Native, HTML, CSS, JavaScript (ES6+), Bootstrap, Babel, Responsive Design
Cloud Platforms | AWS (Amazon Web Services), Netlify (for hosting and continuous deployment)

PROJECTS

Fullstack | Bucket Buddy   April 2023 - December 2023

A bucket list tracker   React | Vite | PSQL | Netlify | AWS
- Deployed a feature rich bucket list tracking site using Netlify for seamless continuous deployment.
- Integrated robust user authentication for secure access to personalized bucket lists.
- Employed PostgreSQL for a scalable and relational database structure.
- Utilized React to create modular and reusable components for improved maintainability.
- Implemented multiple interactive pages on the frontend side to ensure a dynamic user experience.
- Hosted an API and database on AWS EC2 for reliable and scalable infrastructure.

Back-End Software Engineer | Wordle Api   August 2022 - December 2022

Restful wordle api project   Python | Nginx | LiteFs | Sql | NoSql
- Led a collaborative effort within my team to conceptualize, design, and delivered a robust RESTful API for a mock Wordle game, contributing to an engaging and interactive user experience.
- Architected and deployed Nginx as a reverse proxy, seamlessly integrating authentication and serving as an efficient API gateway to optimize performance and security.
- Configured and operated a message queuing server using Python RQ.
- Executed LiteFS for replicating a SQLite database, enhancing data storage and retrieval through a scalable and fault-tolerant solution.

Ios/Android Mobile Game | Decibel Warrior   October 2023 - November 2023

A funny finger tracking mobile game   React Native
- Leveraged React Native to develop a cross-platform mobile game, ensuring a consistent and optimized experience for both iOS and Android users.
- Successfully implemented features to dynamically adjust the game's difficulty, ensuring an engaging and challenging experience for players of all skill levels.
- Elevated the user experience by integrating a visually appealing and responsive design, complemented by a sound system that provides auditory feedback based on player actions.
- Ensured inclusivity by incorporating accessibility features, catering to a diverse audience with varying abilities.

Web Development | AI-Enhanced Photo Platform   May 2023 - July 2023

Film photography album webpage   Python | Javascript | Html
- Engineered a sophisticated web platform that dynamically showcased images from a designated folder, utilizing cutting-edge image recognition technology to detect objects within the images.
- Developed a proprietary API to intelligently crop and mask detected objects in the images, enabling precise extraction and manipulation of specific visual elements.
- Integrated the DALL·E API seamlessly into the platform, utilizing the masked images to generate AI-driven modifications that transformed and enriched the visual content in creative and novel ways.
- Conducted rigorous testing and debugging to refine the image recognition and modification processes, ensuring the reliability and accuracy of the AI-driven enhancements.