

Jesus Perez Arias

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PROFESSIONAL EXPERIENCE

CSULA UNIVERSITY TIMES

Los Angeles, CA

Front Stack Software Engineer

October 2019 - May 2023

- Upgraded Web Application Loading Speed: Achieved an impressive decrease of over 40% in web application loading times through the strategic optimization of WordPress components using pure JavaScript, correlated with a comprehensive backend server overhaul utilizing Node.js and PHP.
- Seamless Collaboration for Superior User Experience: Worked closely and harmoniously with team members to bring exceptional UI/UX designs to life and produced an increase of 40% score on great web accessibility.
- Organized the team of content creators to implement excellent SEO strategies and used targeted keywords, resulting in a 25% increase in website traffic.
- Boosted Revenue with Google AdSense Integration: Successfully integrated Google AdSense with <http://csulauniversitytimes.com>, resulting in a remarkable 15% increase in profit compared to the previously employed static advertising approach.

SUDO, ARMY LAB CORPORATION

Los Angeles, CA

Software Engineer Intern

August 2022 - May 2023

- Team Collaboration for Advanced Audio-Visual Detection Model Enhancement: Collaborated effectively with eight professionals to modernize an audio-visual detection model, crucial for private military contractor drone software used in combat scenarios.
- Python SOWARE Transformation for Higher Performance: Transformed legacy sOWARE into modern Python, resulting in a remarkable 30% increase in computational speed.
- Pioneered the development of a game-changing Unity Graphical User Interface (GUI) component for combat personnel, eliminating the need to view underlying code in real-time, optimizing user experience, and increasing operational efficiency by 40%.
- Meticulous Project Delivery for Sustainable Scalability: Ensured the successful completion of the project and meticulous attention, creating 100% new modern documentation.
- Encompassed comprehensive project deliverables and focused on facilitating seamless knowledge transfer, establishing future scalability, and reduced codebase by 30%.

PROJECTS

Chess Game Engine Integrated with AI for AMC- <https://github.com/JayDevelops>

- Mentored students to create a sophisticated chess game engine integrated with advanced AI algorithms.
- Implemented AI Algorithms such as Min-Max and Depth-Search increased the machine's ability to determine optimal best winning moves used in Chess by 30% compared to unconventional brute-force methods.
- The chess project gave students a rich understanding of Artificial Intelligence and its practical application.

EDUCATION

CALIFORNIA STATE UNIVERSITY, LOS ANGELES

Los Angeles, CA

Bachelor of Science, Computer Science

May 2023

ADDITIONAL INFORMATION

- Technical Skills: Java, JavaScript, jQuery, ReactJS, Swift, Python, Node.js, SQL, Adobe XD, Babel, Bootstrap
- Bilingual in Spanish and English