Daniel Martinez Julio

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EDUCATION

University of Nevada, Las Vegas   December 2024
Bachelors of Arts, Computer Science

TECHNICAL SKILLS

Languages: Proficient C++, Python, JavaScript, HTML/CSS,
            Familiar: C, C#, Java, Ruby, Swift, Go, R, SQL, Power Bi, Tableau
Operating Systems: Linux, Windows, MacOS
Tools: Visual Studio, GitHub, Atlassian Software

PROJECT EXPERIENCE

Flight Tracker (C++, JavaScript, HTMLS, CSS)   June 2023 – July 2023
- Developed front-end and back-end using C++, integrated with AviationStack API for real-time flight data, achieving a 40% reduction in tracking time.
- Implemented real-time flight tracking, displaying key data such as distance traveled, remaining distance, flight number, and airport details.
- Incorporated features for dynamic rendering of airplane models and potential future integrations with live map tracking.
- Successfully interfaced with the AviationStack API, ensuring accurate and timely flight information retrieval.

Physics Engine (C++, HTML,CSS)   July 2023 – September 2023
- Implemented core physics concepts to model realistic interactions, including gravity, friction, and elastic/inelastic collisions.
- Enhanced object behaviors and interactions through advanced physics calculations, ensuring accurate force, momentum, and energy transformations.
- Applied object-oriented programming (OOP) principles in JavaScript to enhance the scalability and maintainability of the engine's codebase.
- Spearheaded the creation of a robust physics engine as a personal project using JavaScript, integrating real-world physics rules into a virtual simulation.

Ping Pong Video Game (JavaScript, HTML,CSS)   September 2023 – October 2023
- Engineered a challenging AI opponent with varying difficulty levels, using JavaScript to simulate responsive, strategic gameplay scenarios.
- Devised intelligent scoring logic and game rules using JavaScript, incorporating competitive elements like score tracking and game resets.
- Integrated HTML5 Canvas API for dynamic graphics rendering, achieving fluid motion and high-impact visual elements on all web browsers.
- Applied advanced CSS3 for stylizing, achieving an intuitive user interface and seamless, engaging user experience across devices.

RELEVANT WORK EXPERIENCE

Information Technology Technician   September 2022 - Present
Kirk Kerkorian School of Medicine at UNLV   Las Vegas, NV
- Performed comprehensive research and analysis on latest medical technology trends, resulting in a successful software update that improved efficiency by 30%.
- Conducted thorough training sessions for staff members on updated software features, resulting in a 40% increase in user adoption and productivity.
- Collaborated with cross-functional teams to develop and execute a strategic plan for software implementation, resulting in a seamless transition process with zero downtime.

LEADERSHIP WORK EXPERIENCE

Team Lead Manager   April 2022 - September 2022
The Home Depot   Las Vegas, NV
- Collaborated with construction companies to identify and implement new strategies for the tool rental department, resulting in a 15% increase in revenue.
- Managed and trained a team of 10 employees on proper usage of power tools, resulting in a 30% decrease in accidents and injuries.
- Designed an inventory tracking system that reduced tool loss by 20% and improved customer satisfaction ratings by 10%.

Learning Ambassador   January 2022 - April 2022
Amazon   Las Vegas, NV
- Counted and audited merchandise on a daily basis, ensuring accuracy and minimizing inventory discrepancies by 20%.
- Managed and supervised a team of 50 employees, providing training and guidance to improve productivity by 15%.
- Utilized AWS to track employee data and monitor performance metrics, resulting in increased efficiency by automating manual processes.

Lead Sales Associate   February 2021 - January 2022
Coca-Cola Store   Las Vegas, NV
- Took initiative to conduct daily inventory audits before opening, identifying and resolving any discrepancies in stock levels. This resulted in a decrease in out-of-stock items by 20% and improved customer satisfaction ratings.
- Directed a new cash management system, resulting in a reduction of cash discrepancies by 70% and ensuring accurate financial reporting.
- Collaborated with cross-functional teams, including Assistant Store Managers and Leads from various departments within Corporate, to streamline processes and improve overall store efficiency by 15%

CERTIFICATIONS

Seal of Biliteracy   May 2021
- Certificate that shows Mastery of Two Languages or more. (English and Spanish)