

# **Daniel Martinez Julio**

Las Vegas, Nevada 89119

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## **EDUCATION**

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

December 2024

## **TECHNICAL SKILLS**

Languages: Proficient C++, Python, JavaScript, HTML/CSS

Familiar: C, C#, Java, Ruby, Swift, Go, R, SQL, React, TypeScript

Operating Systems: Linux, Windows, MacOS

Tools: Visual Studio, Xcode, 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**

### **Software Engineering Intern**

December 2023 - Present

#### **RECORD**

Las Vegas, NV

- Specialize in React Native and TypeScript for front-end development, creating high-quality, responsive user interfaces that align with customer needs and project evolution. Skilled in enhancing user experience on iOS platforms with user-friendly designs.
- Engage in iOS app development, utilizing iOS simulators for testing and optimization. Skilled in connecting apps with local host environments for seamless integration and functionality testing, ensuring the software performs optimally on iOS devices.
- Actively contribute to the startup's growth by integrating new features and improvements into the app using React, Node.js, and Next.js. Focus on continuous enhancement of the application to support the startup's evolving needs and to provide robust solutions in a dynamic development environment.

**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)