Montana R Sanchez
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Objective Statement

I am a computer engineering student actively seeking an internship at NASA's Jet Propulsion Laboratory (JPL) in the computer engineering field. I am passionate about space exploration and eager to contribute my skills and knowledge to cutting-edge projects. My academic background and hands-on experience make me a strong candidate for an internship at JPL, where I hope to gain valuable experience and contribute to innovative engineering solutions.

Education

University of California Santa Cruz (UCSC)   September 2024 - Present
Computer Engineering
Expected Graduation Date – June 2028
3.97 GPA

Work Experience

Summerkids   July 2024, 2023 and 2022 - August 2024, 2023 and 2024

Summer Camp Counselor

My responsibilities included overseeing campers, providing first aid, teaching archery, leading various camp activities, and organizing camp sing-a-longs. I worked closely with the lead counselor to plan outdoor events for campers from kindergarten through 8th grade. I also mentored campers during nature hikes, sharing knowledge about local wildlife and emphasizing outdoor safety.

Certifications:
Current American Red Cross Standard First-Aid & CPR certification

Academic Experiences

High School Senior Project:

developed a video game in Python inspired by Nintendo's Super Mario Brothers. I developed the logic for the game environment, allowing users to control sprites through the keyboard interface. I wrote functions to manage jump sequences and boundary layers within the game. Additionally, the code I implemented tracked game statistics, including the number of lives, levels played, and the player's score.

High School Robotics Team:

I reverse-engineered the functionality of a robot built by the previous year's team. I implemented Java methods to control the robot's actuators for the necessary movements. I also built and wired new components and programmed them to ensure everything worked seamlessly.

Related Coursework
Python for Game Development, Java for Game Development, Java for Robotic Controls, Calculus, Physics, 3D Printing

Skills

Python, HTML5, Java, Java Script, C, Git, Windows

Extracurricular Activities

I served as an Audio Engineer for my high school's music events, ensuring sound quality and technical support during performances. I also mentored high school bands, providing guidance on guitar techniques and performance skills. Additionally, I acted as a mentor for the high school robotics team, offering support and expertise in their projects.