

Joaquin D. Moreno

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OBJECTIVE

Junior Computer Science student with a solid understanding of software development, eager to leverage skills across various industries and applications seeking an opportunity to gain in-depth knowledge with an **internship/co-op** in 2024.

EDUCATION

University of Houston
Bachelor of Science in **Computer Science**, Minor in U.S. Ethnic Studies

Fall 2024
GPA: 3.04

PROJECTS

Medical Clinic Database

Fall 2023

- Developed a user-friendly web-based interface that streamlined the appointment scheduling process for doctors, reducing administrative workload.
- Implemented a reporting feature that provided insights into patient demographics, appointment history, and doctor performance, enhancing data-driven decision-making.

Game Development - Stardust Project

Fall 2022

- Devised a Branching Decision-Based Story game that had RPG elements employing C++.
- Translated an original science fiction story to a program utilizing the idea of class inheritance and employed problem solving strategies for the dissonance between the story and C++ capabilities.

Solar Energy Coding & Research Project

Fall 2021

- Quantified the acreage of solar power plants to create an algorithm that visualized the approximate land mass needed for energy consumption.
- Created a MATLAB app that displayed a map of Oahu, showcasing the square mileage of the solar plant relative to the size of a fossil-fueled power station, which optimized the communication of the data.
- Enhanced the map visually to highlight the stark contrast in land proportions to show solar power feasibility.

WORK EXPERIENCE

Engineering Camp Counselor

Summer 2021

PROMES

Houston, Texas

- Operated within a team to produce a new curriculum for the engineering summer camp model in which **75%** more engineering activities were launched.
- Led in the construction and programming of calculator robots for a presentation under the St. Elmo-Brady program, a STEM outreach program for children in underprivileged schools.

LEADERSHIP ACTIVITIES

Society of Hispanic Professional Engineers (SHPE)

Fall 2020 - Present

Engineering Events Committee

- Served the organization's **6** tailgates for **300+** members with a team of **6**.

Social Committee

- Handled logistics for various social events leading to an increase of **25%** in attendees.
- Observed the the lack of RSVPs for events then created incentives to improve RSVP amount by **20%**

Academic Committee

- Assisted in the arrival of supplies to accommodate the attendees for **2** MATLAB workshops as well as **5** Study Red Mondays.

SKILLS

Programming: Proficient in Python, C++, R, SQL, HTML/CSS, MATLAB, Javascript

Software Skills: MacOS, Windows 10, VS Code, Agile

Frameworks/Libraries: React.js, Node.js, Bootstrap