# Joaquin D. Moreno

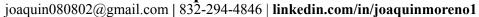joaquin080802@gmail.com | 832-294-4846 | **linkedin.com/in/joaquinmoreno1**

## OBJECTIVE

Eager and detail-oriented Junior Computer Science student with a strong foundation in software development, seeking an internship or co-op position in 2024 to apply and enhance my skills in SQL and full stack development. My goal is to leverage my experience to drive efficient and scalable solutions while gaining valuable industry insights.

## EDUCATION

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|---|---|
| University of Houston | **Fall 2024** |
| Bachelor of Science in **Computer Science**, Minor in U.S. Ethnic Studies | **GPA:** 3.1 |

## PROJECTS

**Medical Clinic Database**                                                                                                    **Fall 2023**

- Orchestrated an interconnected database architecture that seamlessly facilitated data flow between entities. The outcome was a highly responsive system, enabling efficient data retrieval and manipulation.
- 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

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|---|---|
| **Programming:** | Proficient in Python, C++, R, SQL, HTML/CSS, MATLAB, JavaScript |
| **Software Skills:** | MacOS, Windows 10, VS Code, VS, Agile |
| **Frameworks/Libraries:** | React.js, Node.js, Bootstrap |