Charles Moreno

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https://github.com/charlesmoreno32

I am a full-time computer science student with a strong foundation in multiple programming languages and am eager to apply the skills I've learned from school and personal projects to real world projects.

EDUCATION

California Polytechnic State University, San Luis Obispo San Luis Obispo, CA
Bachelor of Science in Computer Science *Aug. 2021 – Present*
3.84 GPA, junior standing, expected graduation Jun. 2025

Relevant Coursework: Intro to Software Engineering, Intro to Database Systems, Systems Programming, Discrete Structures, Intro to Computer Security, Design and Analysis of Algorithms, Project-Based Object-Oriented Programming and Design, Data Structures, Intro to Computer Organization, Calculus Series, Physics Series, Linear Algebra

Palisades Charter High School Los Angeles, CA
3.98 GPA *Aug. 2017 – Jun. 2021*

EXPERIENCE

Software Developer Oct. 2023 – Present
Hack4Impact *San Luis Obispo, CA*
- Enrolled in a bootcamp where I am currently developing my skills in TypeScript, MongoDB, Express.js, React.js, Next.js, and Node.js
- Will work with a team to conceptualize and develop powerful new tools for social change by working on projects with partnered non-profit organizations

Poll Worker Fall 2020
Los Angeles County Elections Office *Los Angeles, CA*
- Engaged with voters and addressed questions and concerns
- Coordinated with team members to set up poll stations

PROJECTS

Solemate backend | *Python, SQL* Oct. 2023 - Present
- Conceptualized a website where people can do research about shoes before they decide to purchase them, search for a specific pair of shoes and leave reviews
- Collaborated with peers to use python, SQL, sqlalchemy and supabase to create a backend for the conceptualized website

Homework Helper | *JavaScript* Oct. 2023 - Present
- Conceptualized a website where students can ask questions, make posts and add comments pertaining to their classes
- Collaborated with peers to use React, Express and MongoDB to create a functioning forum website

Bitmap Image Compressor and Decompressor | *C* May 2023
- Implemeneted parallelization and mutual exclusion to make program more efficient
- Employed huffman encoding algorithm to compress and decompress images

2D Game | *Java* Nov. 2022
- Designed and developed gameplay mechanisms and graphics
- Implemented pathing algorithms, streams and design patterns

TECHNICAL SKILLS

Programming Languages: Python, Java, C, JavaScript, SQL, TypeScript, HTML/CSS, RISC-V
Frameworks: React.js, Express.js, MongoDB, Node.js, Next.js
Developer Tools: Git, VS Code, IntelliJ
Languages: Spanish (Intermediate)

AWARDS

President's Honor List 2021-2022, 2022-2023
- Achieved consistent academic achievement by maintaining a GPA of 3.5 or better throughout the school year.