

Davis Morales

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Education

California Polytechnic State University

Bachelor of Engineering in Computer Science

San Luis Obispo, CA

Expected: Fall 2026

- Minor in Entrepreneurship
- Relevant Coursework:
 - Software Engineering
 - Database Systems
 - Systems Programming
 - Object-Oriented Programming
 - Computer Organization
 - Data Structures

Work Experience

Hack4Impact

UX/UI Designer

San Luis Obsipo, CA

September 2023 - Present

- Collaborated with the client and development team to gather requirements and align on product features.
- Designed a comprehensive UI flowchart in Microsoft Visio that mapped out user interactions, improving team alignment and reducing design iterations by 30%.
- Created and tested multiple UX prototypes, leading to a high fidelity design in Figma that incorporated client feedback from 3 rounds of revisions.
- Delivered a final interactive prototype that met all client requirements and was approved for development, accelerating the handoff process by 25%.

EPIC

Lab Instructor

San Luis Obispo, CA

June 2024 - July 2024

- Designed and delivered a beginner-friendly Python curriculum for 4 sessions, teaching a total of 120 students with little to no prior coding experience.
- Led interactive exercises using LeetCode to reinforce foundational concepts through real-world programming challenges.
- Maintained a fun, low-pressure learning environment to boost engagement and reduce overwhelm, resulting in a 95% daily exercise completion rate.

Projects

Web Scraper

Software Developer

Complete: June 2024

Python | Requests | BeautifulSoup

- Worked in a cross-functional team to develop a web scraper for Ecologistics, a non-profit organization focused on environmental advocacy.
- Used Python with Requests to send HTTP requests and BeautifulSoup to parse and extract relevant data from complex HTML pages on the San Luis Obispo County website.
- Enabled automated tracking of newly approved project proposals, cutting manual review time by over 75% and improving response time for policy action.

Voting System

Software Developer

Completed: May 2025

Java | Swing | AWT

- Developed an interactive voting system to rank agile tasks by difficulty, improving sprint planning for development teams.
- Built the GUI using Java Swing and implemented real-time user interaction with AWT to capture and process task ratings.
- Leveraged data structures like HashMap and LinkedList to store over 100 voting inputs per session, optimizing data access with average O(1) lookups and insertions.
- Enabled automated sorting of tasks from least to most difficult, resulting in a 30% faster task assignment process and improved team workload alignment.

Technical Skills

Programming Languages: SQL, C, Java, Python, Assembly, JavaScript, HTML, CSS

IDEs: Azure Data Studio, Visual Studio Code, VIM, IntelliJ IDEA, PyCharm, RARS, Sublime Text