Camden Mann

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EDUCATION

Saddleback College   **Mission Viejo, CA**
AS in Physics, GPA: 3.91   Sep. 2023 - Jun. 2026
- Organizations: The CodeBase, Computer Science Club

California Polytechnic State University   **San Luis Obispo, CA**
BS in Computer Science, GPA: 3.91   June 2027
- Relevant Coursework: Systems Programming, Data Structures, Analysis of Algorithms, Software Engineering, Database Management Systems, Object Oriented Programming, Distributed Systems
- Organizations: LLEAP

TECHNICAL SKILLS

Programming: C++, Java, JavaScript, HTML, CSS, Hack Assembly, Python, SQL
Tools: Ros2, Gazebo, Github, PostgreSQL, React, Express, Node.js, Tailwind CSS, Linux, RasberryPi

PROJECTS

Algebra Learning Platform *Project Lead*   Aug. 2024 – Sep. 2025
HTML, CSS, Express, Javascript, AI, API
- Implemented a built-in AI chatbot using ollama in junction with Wolfram alpha's API, improving user support with instant hints and error explanations
- Built using NoSQL persistence through MongoDB Atlas, HTML, CSS, Express.js

Online Ordering Platform   Aug. 2024 – Present
React, SQL, CSS, Javascript
- Built a working prototype of a ordering web app with dynamic CRUD operations, user auth, cart, and checkout.
- Building REST API backend using PostgreSQL and Express.js for data management

CalPolySchedules | *calpolyschedules.com*
PostgreSQL, Scrapy, Python
- Engineered a full-stack course scheduling platform using Python and PostgreSQL, implementing conflict-free schedule generation based on time constraints, user filters, and professor ratings.
- Built and deployed automated data pipelines with Scrapy to scrape and normalize academic course and rating data, optimizing performance and reliability via Cloudflare.

Constryke *Irvine Hacks 2026 - 32hrs*   Feb. 28 - Mar. 2 2026
- Built an AI-driven wire fraud detection system using structured document parsing, routing/domain verification APIs, and weighted risk scoring.
- Implemented contextual fraud detection by comparing wire instructions against prior communication metadata through prior emails scraped by a chrome extension to identify distinct behavioral patterns.

LEADERSHIP & ACTIVITIES

Lower Limb Exoskeleton Assist Club (LLEAP)   Sep. 2025 – Present
Python, C++, C, Docker
- Contributing to student led exoskeleton project to aid individuals with lower limb mobility challenges
- Conducting robotic simulation using ROS2, Gazebo, Moveit and rviz frameworks

The Codebase *Founding Member — Project Lead*   Aug. 2024 - Sep.2025
- A student ran web development club that specializes in building websites for non profit organizations
- Built or refactored 4 working websites for non profits