

Jaedon Spurlock

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EDUCATION

California State University, San Marcos
Bachelor of Science in Software Engineering

Expected Graduation May 2026
GPA: 3.95

RELEVANT COURSEWORK

- Data Structures
- Embedded Systems
- Software Engineering
- Database Systems
- Assembly & Digital Circuits
- Language Design & Paradigms

TECHNICAL SKILLS

- **Programming:** C++, Python, JavaScript, CSS, HTML, TailwindCSS, ReactJS, NextJS
- **Operating Systems:** Windows, Linux
- **Software Knowledge:** MERN stack, SDLC, AWS, Docker, REST APIs
- **Database Systems:** MongoDB

PROJECTS

City Pathfinding Visualizer

Dec 2023 – Jan 2024

- Developed dynamic website using ReactJS and NextJS to simulate city pathfinding
- Integrated Nominatim API for efficient city name queries
- Utilized Overpass API to gather accurate city location from OpenStreetMap
- Rendered cities using ThreeJS

AI Chatbot Chrome Extension

Dec 2023 – Jan 2024

- Built client-side of AI chatbot chrome extension using ReactJS to provide chat prompting on websites
- Implemented Google's Generative AI for AI conversations
- Gathered relevant data through web scraping with the DOM API

App-Center Desktop App

Jun 2023 – Jul 2023

- Designed desktop application using Tkinter to save and manage external apps
- Implemented board games like Sudoku and Tic-Tac-Toe as test cases to validate the application's multi-threading capabilities
- Developed to centralize developers' applications, improving the accessibility and efficiency of managing multiple applications

RELEVANT EXPERIENCE

Scholar/Alum, STEM Advantage | San Diego, CA

Jan 2024 – Present

- Participate in professional development workshops and industry career panels

Project Contributor, CodeDay | Remote

Oct 2023 – Nov 2023

- Implemented test case with JavaScript and Mocha to verify conversions from kWh to BTU energy units, enhancing the accuracy and reliability of Open Energy Dashboard, an open-source project ([pull request](#))
- Utilized Docker for testing and deployment, ensuring seamless integration of new changes and maintaining of the project's infrastructure

Scholar/Alum, Computing Talent Initiative | Remote

Jun 2023 – Dec 2023

- Worked over 100 hours to improve technical knowledge of data structures, searching algorithms, sorting algorithms, and problem-solving techniques
- Learned crucial communication and networking skills through workshops and interview practice sessions
- Collaborated with a community of passionate, motivated students that aided each other for their success