

Jaedon Spurlock

Oceanside, CA | (760) 450-3906 | jaedonaspurlock@outlook.com

github.com/JaedonSpurlock01 | linkedin.com/in/Jaedon-Spurlock | jaedon.vercel.app

EDUCATION

California State University, San Marcos

Bachelor of Science in Software Engineering

Expected Graduation May 2026

GPA: 4.00/4.00

RELEVANT COURSEWORK

- Data Structures & Algorithms
- Embedded Systems
- Software Design & Development
- Database Management Systems
- Assembly & Digital Circuits
- Calculus with Applications II

SKILLS

- **Programming:** JavaScript | Python | C++ | Java | CSS | HTML | React | Node | SQL | MongoDB | Amazon S3
- **Technologies:** GitHub | Git | Postman | Windows | Linux
- **Software Knowledge:** Full-Stack | CI/CD Infrastructure | Cloud Deployment | MS Office | Agile | AWS

PROJECTS

Reside | Feb 2024 – Present

- Find housing for college students by building client-side of website bootstrapped with React, HTML, and CSS
- Build interactive map of the US by utilizing state boundary data from OpenStreetMap and ThreeJS for rendering
- Provide users with relevant listings by consuming the RentCast API
- Lead the delivery of Agile methodologies by facilitating tasks through team collaboration and sprint planning

Routify | Jan 2024 – Mar 2024

- Simulated city pathfinding by developing an interactive website with React, NextJS, HTML, and CSS
- Queried city names efficiently by utilizing the Nominatim API
- Achieved a 95% accuracy rate in city data acquisition by leveraging the Overpass API
- Reduced API call loads by 60% by caching city data with Amazon S3
- Created RESTful API to maintain 1,000+ cities by using NextJS API routing and server actions
- Rendered 1M+ lines to visualize pathfinding by using Instanced Meshing with ThreeJS

WebWizzard | Dec 2023 – Jan 2024

- Provided AI chat prompting on websites by building the client-side of web extension with React, HTML, and CSS
- Implemented Google's Generative AI for AI conversations
- Gathered relevant data efficiently by web scraping with the DOM API

AppMaster | July 2023 – Sept 2023

- Helped students manage their projects by creating desktop application with Python and Tkinter
- Streamlined development workflow by centralizing applications, improving accessibility of past projects

WORK EXPERIENCE

CodeDay

Project Contributor | Oct 2023 – Nov 2023

- Improved reliability of an open-source project by implementing a test case with JavaScript and Mocha
- Led a team of 3 to verify conversions from kWh to BTU energy units, resulting in increased confidence in data integrity ([pull request](#))

Computing Talent Initiative

Scholar/Alum | Jun 2023 – Dec 2023

- Improved technical knowledge of data structures, searching algorithms, sorting algorithms, and problem-solving techniques by working over 100 hours on online modules and mock interviews
- Collaborated with a community of passionate, motivated students that aided each other for their success