Tristan Spear

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Education

Cuesta College   San Luis Obispo, CA
A.S. Computer Science, A.S. Mathematics   *Aug. 2022 - May 2025*

Cal Poly, San Luis Obispo   San Luis Obispo, CA
B.S. Software Engineering   *Aug. 2025 - May 2027*

Projects

MIT OpenCourseWare Site (view here)   Aug. 2025 - Sep. 2025

- Full stack blog application that condenses and simplifies MIT's OpenCourseWare website
- This site was made to be a useful resource for STEM students, and offers a simplified way to take MIT classes for free
- Used Bootstrap, JQuery, Express.js, EJS, nodemailer

Experience

Student AI Researcher   Mar. 2024 - Jun. 2024
Cal Poly State University   *San Luis Obispo, CA*

- Worked with other computer science students to build an AI chat bot that could give useful information and answer questions about Cal Poly, Cal Poly staff, and senior project ideas
- Followed a schedule and deadlines to complete different sections of the project successfully and efficiently
- Researched previous senior projects from the CSSE department to tune the LLM to be useful when helping students with senior projects.
- Helped implement a user survey which asks students their interests and what they need assistance with

Instructor   May 2024 - Aug. 2024
ID Tech Camps - Stanford University   *Stanford, CA*

- Interned at Stanford University, working as an instructor for a pre collegiate engineering camp
- Taught a class on VEX robotics and robotics programming in Python & C++
- Taught classes of 10-14 middle school and high school students
- Created lesson plans and chose supporting materials to promote positive learning experiences.

Academic Tutor   Jan. 2024 - May 2025
M.E.S.A. Program - Cuesta College   *San Luis Obispo, CA*

- Tutored for all computer science and math classes
- Used communication and explanation skills to help other students succeed in their classes and reach their academic goals
- Helped students reach a firm understanding of course material, and navigate specific problems, on their own with my guidance, rather than simply telling them the answers

Technical Skills

Languages : Java, Python, C, Javascript, HTML/CSS
Frameworks : Bootstrap, JQuery, Express.js
Technologies : Git, GitHub, VS Code, IntelliJ, CLion