

# Erik Chao

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## OBJECTIVE

Motivated college student seeking opportunities to leverage and expand AL/ML development knowledge. Eager to contribute strong programming skills and analytical thinking to innovative projects while gaining hands-on experience.

## EDUCATION

### UNIVERSITY OF CALIFORNIA - SANTA CRUZ

Bachelor of Science - Computer Science

**Santa Cruz, CA**

*Expected: June 2025*

**GPA: 3.69 / 4.00**

**Relevant Coursework:** Database Systems I, Artificial Intelligence, Data Structures and Algorithms

## ACADEMIC EXPERIENCES / PROJECTS

### Artificial Intelligence Individual Tutor - Baskin Engineering

**Santa Cruz, CA**

Sept - Dec 2024

- Assisted students with course-related topics in a one-on-one environment.
- Gave summary of assignments and overview of concepts taught in class.
- Held online office hours on Zoom every week to ensure access for any students.

### Pac-Man - Software Developer

**Santa Cruz, CA**

*June 2024*

- Designed a dynamic agent on **Python** that utilizes different search algorithms to navigate game spaces
- Wrote optimized script for game computation, increased efficiency by 40%, as well as increasing win rate of agent.

### Multithreaded HTTP Server

**Santa Cruz, CA**

December 2023

- Apply string parsing from any requests on **C** to either output into a file or outputs content from an existing file.
- Implemented a concurrent request system, utilizing multiple CPU threads, increased speedup of tasks by 20%.
- Uses a File Locking System that ensures atomicity for each request.

### Moderator Discord Bot

**San Rafael, CA**

*September 2023*

- Created a bot on **Python** that users with administrator permission can interact with on Discord.
- Utilized Discord API to give server administrators permission to kick, remove, or mute another user on a server.

## TECHNOLOGIES AND LANGUAGES

- Languages: **Python, JavaScript, SQL, C++, HTML/CSS,**
- Technologies: **AWS, React.js, Node.js, Git, PostgreSQL, Bash, Unix**
- Biliterate in **Spanish**