

Emily Lai

415-866-8055 | emlai1263@gmail.com | LinkedIn: <https://www.linkedin.com/in/emily-y-lai/>

EDUCATION

California Polytechnic State University

Major: Computer Science

San Luis Obispo, California

September 2021 - June 2025

Relevant coursework: Data Structures, Project-Based Object-Oriented Programming & Design, Intro to Computer Organization, Systems Programming, Computer Architecture, Design and Analysis of Algorithms, Software Engineering, Interactive Entertainment Engineering, Intro to Databases, Intro to Data Science, Operating Systems, Mobile App Dev

COMPUTER SCIENCE EXPERIENCE

Quarter to Semester

San Luis Obispo, California

Developer

October 2024 – Present

- Developed a student-centered application to assist Cal Poly students in the quarter-to-semester transition
- Created front end class card component and redesigned backend database schemas
- Worked with Cal Poly's College of Engineering in an Agile environment to refine features based on feedback

Hack4Impact - SLO Beaver Brigade

San Francisco, California

Developer

September 2024 - Present

- Developing new features and enhancing existing codebase using Next.js and MongoDB
- Collaborating with a team of six using GitHub for version control and agile development
- Participating in weekly meetings to discuss progress, plan sprints, and align with project goals

SLO Alchemists - Potions game

San Luis Obispo, CA

Contributor/Developer

January 2025 - Present

- Contributed to a web-based, real-time multiplayer game via one week sprints in a multi team environment
- Debugged and added new features to the code base, with clean, maintainable code
- Designed and implemented new area: Valoron

LEADERSHIP/PROFESSIONAL EXPERIENCE AND ACTIVITIES

College Corps AmeriCorps Programs

San Luis Obispo, California

College Corps Fellow, SLOCC Presentation Creator

September 2023 - June 2024

- Created presentations on climate change impact and prevention with a partner
- Networked with industry professionals and participated in leadership workshops to strengthen leadership skills
- Volunteered at events, functions, and cleanups, contributing to community initiatives

Cal Poly Gender Inclusive Gaming

San Luis Obispo, California

General Member

March 2023 – Present

- Connected with other students that enjoy playing video games
- Presented weekly PowerPoint presentations on my interests in a casual setting

TechKnowHow

San Francisco, California

Lead instructor and assistant

June 2023 – August 2023

- Taught engineering and STEM concepts to children 6-11 through Minecraft, LEGOs, and Scratch
- Adapted to any situation in the classroom with an open mind and empathetic perspective

WISH (Women Involved in Software and Hardware)

San Luis Obispo, California

Administrator

September 2022 – June 2024

General member

September 2021 – Present

- Managed club finances, including budgeting, processing payment requests, and maintaining financial spreadsheets
- Recorded meeting notes, tracked plans, and ensured alignment through constant team communication

SKILLS

Coding Languages: HTML, CSS, Python, Java, Javascript, C, SQL, Typescript, C#

Technical Skills: Git, Terminal, Google and Microsoft Suite, React.js, Node.js, MongoDB, Express JS, Next.js