

Eric Chuang

650-200-5420 | echuang1@ucsc.edu | [linkedin.com/in/echuang1](https://www.linkedin.com/in/echuang1) | github.com/ericbreh

EDUCATION

University of California - Berkeley

August 2025 – May 2026

Master of Engineering in Mechanical Engineering

- Fung Excellence Scholarship Recipient

University of California - Santa Cruz

September 2022 – June 2025

Bachelor of Science in Computer Engineering, Minor in Computer Science

3.96 GPA

- Relevant courses: Data Structures and Algorithms, Computer Systems Design, Computer Architecture, Parallel and Concurrent Programming, Machine Learning

EXPERIENCE

Software Engineer Intern

March 2024 – June 2024

College Sauce

Santa Barbara, CA

- Developed a Python web scraping script to automatically extract and load course information into PostgreSQL database, saving 50+ hours of manual work per year and ensuring data accuracy
- Coordinated with a remote team to develop a mobile app's chat functionality specifically tailored to encourage communication and collaboration among 4,500+ UC Santa Barbara students

Group Tutor

January 2024 – April 2024

University of California - Santa Cruz

Santa Cruz, CA

- Guided students in the class 'Beginning Programming in Python' through debugging and problem-solving techniques on programming assignments
- Provided online support to 200+ students, clarifying concepts and course material

Assistant Manager

March 2020 – September 2022

Belmont Bikes

Belmont, CA

- Oversaw daily operations in a fast-paced environment
- Prioritized and delegated tasks to ensure efficient workflow

PROJECTS

UCSC Menu App | *Flutter, Go, Firebase, Google Cloud Platform*

- Developed and maintained an app supporting 3,000+ users checking daily menus at on-campus dining halls
- Optimized backend data-fetching tool by implementing multithreading, reducing runtime by over 50%
- Enhanced reliability and uptime by continually adapting to evolving requirements

Eko Social Media App | *Flutter, Go, Firebase, Google Cloud Platform*

- Created a fully featured social media app where 100+ active users share funny posts about their daily experiences
- Coordinated with 30+ beta testers to gather feedback, identify bugs, and understand user needs
- Used the MVVM architecture to ensure a clean, maintainable, and testable codebase
- Key features include a customizable feed, notifications, user search, text/GIF posts, and user interactions such as following, blocking, and tagging

PeerGrader | *React, Next.js, Supabase, Javascript/Typescript, SQL*

- Built a peer-grading platform for students to submit and review assignments
- Integrated feedback from UCSC students and professors to refine and improve upon existing options
- Coordinated with a team using the Scrum methodology utilizing regular standups and sprint planning

Real-Time Facial Recognition System | *Python, OpenCV, DeepFace*

- Implemented a real-time facial recognition system to detect and match faces with high accuracy, ensuring robust performance across diverse conditions

TECHNICAL SKILLS

Languages: Python, Go, C/C++, Dart, Javascript/Typescript, HTML/CSS, SQL, SystemVerilog

Frameworks: Flutter, React, Node.js, Next.js, Remix, Tailwind CSS

Technologies: Google Cloud Platform, Firebase, Supabase, IOS/Android App Development, OpenCV, SKLearn

Developer Tools: Git, Docker