

# Eric Chuang

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## EDUCATION

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### University of California - Santa Cruz

September 2022 – June 2025

*Bachelor of Science in Computer Engineering*

*3.96 GPA*

- Relevant courses: Data Structures and Algorithms, Computer Systems Design, Logic Design, Computer Architecture, Parallel and Concurrent Programming, VLSI Digital System Design, Verilog Project to Silicon

## EXPERIENCE

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### Software Engineer

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

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### 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

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**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, DeepFace, Playwright, Selenium

**Developer Tools:** Git, Docker