

# Ajay Liu

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## EDUCATION

### University of California, Santa Barbara

*Bachelor of Science, Major in Computer Science, Minor in Applied Psychology*

Santa Barbara, CA

Sep 2022 - Expected Jun 2026

- Cumulative GPA: 3.97 / 4.0 (Dean's Honors).
- Awarded UCSB Regents Scholarship, offered to less than 2% of incoming undergraduate freshmen for exceptional merit.

## SKILLS

- Fullstack Web/Mobile/Game Development: React, C++, TypeScript, Next.js, Firebase, C#, Unity3D, Microsoft .NET, SQL
- Fluent in English and Mandarin Chinese. Proficient in Spanish, American Sign Language.

## EXPERIENCE

### UCSB Information Technology Internship Program

Santa Barbara, CA

*Web Application Developer Intern*

Apr 2024 - Present

- One of 10 paid interns selected to collaborate with various departments across campus on individualized year long projects.
- Reduced user permission change internal processing time by 90%; Fullstack project using Microsoft .NET, Azure, SQL Server, React.
- Completed business literacy training through Lean Six Sigma Yellow Belt Certification, Crucial Conversations, and ToastMasters.

### Early Research Scholars Program

Santa Barbara, CA

*Student Researcher*

Sep 2023 - Present

- One of less than 40 students admitted to highly selective year-long apprenticeship pairing students with faculty in computing research.
- Conducted trials on 20+ human subjects with Four Eyes Lab faculty to study the effectiveness of GPT-4 on memory tasks performance.

### Snag Delivery Inc.

Isla Vista, CA

*Software Engineer Intern*

Jun 2023 - Aug 2023

- 10-week paid internship at local campus delivery startup under California NanoSystems Institute's Propel Startup Fellowship.
- Generated 800+ funny product descriptions for store items across all Snag locations using a Large Language Model and TypeScript.
- Migrated backend employee scheduling system across multiple store locations, helping managers and employees monitor active shifts.

### Charipay Co.

Los Angeles, CA

*Frontend Web Developer Intern*

Jun 2021 - Jul 2021

- Advocated for the migration of Bootstrap to Tailwind, significantly reducing frontend code repetition after successful implementation.

### SuperProf

Fullerton, CA

*Online Instructor*

Feb 2020 - Nov 2021

- Tutored first-year community-college student for advanced C++ development course resulting in significant grade improvement.

## PROJECTS

### GratiCat ([devpost.com/software/graticat](https://devpost.com/software/graticat))

May 2023

- Won Top 5 Overall out of 31 teams at SB Hacks IX; won Honorable Mention award for best presentation delivered.
- Collaborated effectively with a team of 4 to develop a gratitude app, incorporating NLP to analyze users' values with React Native.

### Verde ([github.com/AjayLiu/verde](https://github.com/AjayLiu/verde))

Mar 2023

- Won 1st Place for UCSB's Google Developer Student Club Solution Challenge, a four-month long software development competition.
- Collaborated with 3 team members to create a social media app promoting sustainability. Built with React Native and Firebase.

### Notation Visualizer ([notation-visualizer.ajayliu.com](https://notation-visualizer.ajayliu.com))

Jul 2022

- Developed interactive visualizer site visited by 7000+ users explaining Infix, Prefix (Polish), and Postfix (Reverse Polish) notation.

### Inspiration Jar ([inspiration-jar.ajayliu.com](https://inspiration-jar.ajayliu.com))

Mar 2021

- Launched a full-stack social media platform promoting positivity using Google OAuth 2.0 for login, send, read, and upvote capabilities.

### AjayLiu.com ([ajayliu.com](https://ajayliu.com))

Feb 2020 - Present

- Designed an interactive portfolio showcasing over 15 personal and collaborative projects. Visited by more than 3000+ unique users.

## EXTRACURRICULAR ACTIVITY

### Google Developer Groups - UCSB Chapter

Santa Barbara, CA

*Director of Instruction*

Sep 2024 - Present

- Host biweekly tutorial workshops on various Software Engineering tools: React, Unity, Firebase, React Native, SQL, and Git.

### Untitled Dance Company

Santa Barbara, CA

*Dancer*

Sep 2022 - Present

- Practice 8 hrs/wk to perform at HHI Championship, NCAA Basketball Halftime, Welcome to the 805, and Spring Benefit Showcase.

### Game Development Club

Fullerton, CA

*President (2019-2022), Lead Programmer (2018-2020)*

Aug 2018 - Jun 2022

- Led 35 members across 3 departments to develop games collaboratively via Git. Published 3 games on Google Play [trovgamedev.com](https://trovgamedev.com).

## AWARDS

### Taiwanese American Scholarship Fund

Jun 2022 - Present

- Awarded to 10 outstanding Taiwanese American high school seniors and first-year college students across the United States annually.

### Chao Family Foundation Scholarship

Jun 2022 - Present

- Awarded to 5 high school seniors seeking a degree at University of California (UC) or Cal State University in Fall 2022.