

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.

WORK EXPERIENCE

UCSB Information Technology Internship Program

Web Application Developer Intern

Santa Barbara, CA

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 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

Student Researcher

Santa Barbara, CA

Sep 2023 - Present

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

Snag Delivery Inc.

Software Engineer Intern

Isla Vista, CA

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 6 Snag locations using Large Language Model and TypeScript.
- Migrated backend employee scheduling system across store locations, helping managers and employees monitor active shifts.

Charipay Co.

Frontend Web Developer Intern

Los Angeles, CA

Jun 2021 - Jul 2021

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

SuperProf

Online Instructor

Fullerton, CA

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)

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 team of 4 to develop a gratitude app, incorporating NLP to analyze users' values with React Native.

Verde (github.com/AjayLiu/verde)

Mar 2023

- Won 1st Place for UCSB's Google Developer Student Club Solution Challenge, a four-month software development challenge.
- 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)

Jul 2022

- Developed interactive visualizer site visited by 8000+ users explaining CS algorithm topic: Infix, Prefix, and Postfix notation.

Inspiration Jar (inspiration-jar.ajayliu.com)

Mar 2021

- Launched fullstack social media platform promoting positivity using Google OAuth 2.0 for login, send, and upvote capabilities.

AjayLiu.com (ajayliu.com)

Feb 2020 - Present

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

LEADERSHIP EXPERIENCE

Google Developer Groups - UCSB Chapter

Director of Instruction

Santa Barbara, CA

Sep 2024 - Present

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

Game Development Club

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

Fullerton, CA

Aug 2018 - Jun 2022

- Led 35 members across to develop games collaboratively. Published 5 games on Google Play Store & troygamedev.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.

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.