

Ajay Liu

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EDUCATION

University of California, Santa Barbara

Bachelor of Science (B.S.) in Computer Science

Santa Barbara, CA

Sep 2022 - Expected Jun 2026

- Cumulative GPA: 3.92 / 4.0 (Dean's Honors).
- Awarded **UCSB Regents Scholarship**, offered to less than 2% of incoming undergraduate freshmen for exceptional merit.
- Relevant Coursework: Data Structures and Algorithms, Advanced Applications Programming, Algorithms Engineering.

SKILLS

- **Programming Languages:** TypeScript, Ruby, C++, C#, Python, Java, SQL, JavaScript, PHP, Assembly, Bazel, Bash, YAML.
- **Frameworks & Tools:** React, Firebase, .NET, Ruby on Rails, Unity3D, MySQL, SQL Server, PostgreSQL, Azure DevOps, Docker, CircleCI, Next.js, React Native, Flutter, Vue.js, Svelte, Gatsby.js, Node.js, Axios, TailwindCSS, Socket.io, Fast.AI, Jira, Agile, Git, Netlify, Heroku, Vim, Visual Studio Code, PowerBI, Snowflake, Oclif, Rollbar.

WORK EXPERIENCE

AppFolio

Software Engineer Intern (CI / Dev Tooling Team)

Santa Barbara, CA

Jun 2025 - Sep 2025

- Engineered a tool for suppressing flaky tests on CircleCI, enabling teams to quickly bypass known issues in the CI pipeline.
- Built CLI plugins to quickly launch MySQL databases, generate documentation templates, and remind devs of system updates.
- Migrated 4 core databases from MySQL 5.7 to 8.0 after performing regression tests and monitoring error logs.

UCSB IT Internship Program

Fullstack Web Application Developer Intern

Santa Barbara, CA

Apr 2024 - Mar 2025

- Worked part-time (1 year) to maintain GradPoint, UCSB Graduate Division's internal system for administrative actions.
- Reduced user permission bundle processing time **by 95%** using Microsoft .NET, C#, Azure, SQL Server, React, TypeScript, Agile.

Early Research Scholars Program (ERSP)

Student Researcher

Santa Barbara, CA

Sep 2023 - Mar 2025

- Formulated a new user study with Four Eyes Lab (HCI) Professor Tobias Höllerer, 2 grad students, and 3 ERSP teammates.
- Conducted trials on **50+ human subjects** to study the effectiveness of **GPT-4** on memory tasks using the Method of Loci.

Snag UCSB

Software Engineer Intern

Santa Barbara, CA

Jun 2023 - Aug 2023

- Interned 10-weeks with **Founding Software Engineers** on the Snag Delivery App (**200,000+ downloads**) developed with Flutter.
- Generated **800+** product descriptions for store items across **11 Snag locations nationwide** using GPT-4, TypeScript, Firebase.
- Revamped backend employee system with Deputy API for employee scheduling and time-tracking with geolocking functionality.

LEADERSHIP EXPERIENCE

Google Developer Groups - UCSB Chapter

Director of Instruction

Santa Barbara, CA

Sep 2024 - Present

- Directly recruited 3 guest speakers: **CTO of Snag**, **CEO of Guava Health**, **CTO of Unwrap.AI** with over **200+ total attendees**.
- Host biweekly tutorial workshops on Software Engineering tools: React, Unity, Firebase, React Native, SQL, and Git.
- Boosted club members count by **400%** within the first two months of joining the board of directors.

Game Development Club

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

Fullerton, CA

Aug 2018 - Jun 2022

- Led **35 members** to develop games collaboratively. Published **5 games** on Google Play Store and trovgamedev.com.

PROJECTS

AjayLiu.com (ajayliu.com)

Feb 2020 - Present

- Designed an interactive portfolio showcasing over 15 personal and collaborative projects with React. Visited by **8000+** users.

SB Hacks IX (Top 5 Overall Winner): GratiCat (devpost.com/software/graticat)

May 2023

- Won Top 5 Overall Team and Honorable Mention for Best Presentation; developed gratitude app with React Native and Firebase.

AWARDS

Scholarships: UCSB Regents, Taiwanese American Scholarship Fund, Chao Family Foundation, Evalee C. Schwarz Charitable Trust