Ajay Liu

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EDUCATION

University of California, Santa Barbara   **Santa Barbara, CA**
Bachelor of Science, Major in Computer Science, Minor in Applied Psychology   **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

- React, C++, TypeScript, Next.js, Firebase, C#, Unity3D, Microsoft .NET, SQL; Fullstack Web/Mobile/Game Development
- 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.

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 migration of Bootstrap to TailwindCSS, significantly reducing frontend code repetition. Shadowed for 150 hours.

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.
- Taught home-schooled elementary school student Game Development with Unity3D and simple Web Development in HTML/CSS.

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 a 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 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**)**   **Jul 2022**
- Developed interactive visualizer site explaining Computer Science topics: Infix, Prefix (Polish), and Postfix (Reverse Polish) notation.
- Visited by 6900+ unique users.

Bet You Don't Know (bet-you-dont-know.ajayliu.com)   **Jun 2021**
- Built full-stack multiplayer website with realtime lobby, chat, kick, admin capabilities using Socket.io, Express, Next.js, and TypeScript.

Inspiration Jar (inspiration-jar.ajayliu.com)   **Mar 2021**
- Launched full-stack positivity social media platform using Google OAuth 2.0 for login, send, read, and upvote capabilities.

AjayLiu.com (ajayliu.com)   **Feb 2020 - Present**
- Designed own interactive portfolio showcasing over 15 personal and collaborative projects. Visited by more than 3000+ unique users.

EXTRACURRICULAR ACTIVITY

Untitled Dance Company   **Santa Barbara, CA**
Dancer   **Sep 2022 - Present**
- Practice 8 hrs/wk to perform at Hip Hop International Championship, Welcome to the 805, and Untitled 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 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 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.