Ajay Liu

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EDUCATION

University of California, Santa Barbara   **Santa Barbara, CA**
Bachelor of Science (B.S.) 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.

TECHNICAL SKILLS

- Fullstack Development: C++, C#, TypeScript, Python, Java, React, Next.js, Firebase, .NET, Unity3D, Azure, SQL Server, Jira, Agile

WORK 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 processing time by 95%; Full-stack project using Microsoft .NET, Azure, SQL Server, React.
- Completed business literacy training through Lean Six Sigma Yellow Belt Certification, Crucial Conversations, and ToastMasters.

UCSB Four Eyes Lab   **Santa Barbara, CA**
Early Research Scholars Program Researcher   **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 30+ human subjects to study the effectiveness of GPT-4 on memory tasks using the Method of Loci.

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 6 Snag store locations using LLMs and TypeScript.
- Migrated backend employee scheduling system across 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 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.

LEADERSHIP EXPERIENCE

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.
- Organized guest speaker event with the CTO of Snag with over 120+ in-person attendees to offer internships to students.

Game Development Club   **Fullerton, CA**
President (2019-2022), Lead Programmer (2018-2020)   **Aug 2018 - Jun 2022**
- Led 35 members to develop games collaboratively. Published 5 games on Google Play Store and troygamedev.com.

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.

AjayLiu.com (ajayliu.com)   **Feb 2020 - Present**
- Designed an interactive portfolio showcasing over 15 personal and collaborative projects. Visited by more than 6000+ users.

AWARDS

Taiwanese American Scholarship Fund   **Jun 2022 - Present**
Chao Family Foundation Scholarship   **Jun 2022 - Present**