Ajay Liu

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EDUCATION

University of California, Santa Barbara — **Santa Barbara, CA**
Bachelor of Science (B.S.) in Computer Science — **Sep 2022 - Expected Jun 2026**
- Cumulative GPA: 3.94 / 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, C++, C#, Python, Java, JavaScript
- **Frameworks & Tools:** React, Firebase, Microsoft .NET, SQL Server, Azure DevOps, Next.js, Unity3D, React Native, Node.js, PostgreSQL, TailwindCSS, Socket.io, PHP, Fast.AI, Jira, Agile, Netlify, Heroku, Vim, Visual Studio Code, PowerBI

WORK EXPERIENCE

UCSB IT Internship Program — **Santa Barbara, CA**
Fullstack Web Application Developer Intern (Hybrid) — **Apr 2024 - Present**
- Work part-time year-round to maintain GradPoint, UCSB Graduate Division's internal system for administrative actions.
- Reduced user permission change processing time by **95%** using **Microsoft .NET, C#, Azure, SQL Server, React, TypeScript, Agile**.
- Completed business literacy training through **Lean Six Sigma Yellow Belt Certification**, **Crucial Conversations**, **ToastMasters**.

Early Research Scholars Program (ERSP) — **Santa Barbara, CA**
Four Eyes Lab Researcher — **Sep 2023 - Present**
- Work with Professor Tobias Höllerer, 2 graduate researchers, and 3 ERSP teammates to formulate and publish a new study.
- Conducted trials on 30+ human subjects to study the effectiveness of **GPT-4** on memory tasks using the **Method of Loci**.

Snag Delivery Inc. — **Santa Barbara, CA**
Software Engineer Intern (Hybrid) — **Jun 2023 - Aug 2023**
- 10-week paid internship with **Founding Software Engineers** on the Snag 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 functionality with geolocking.

LEADERSHIP EXPERIENCE

Google Developer Groups - UCSB Chapter — **Santa Barbara, CA**
Director of Instruction — **Sep 2024 - Present**
- Host biweekly tutorial workshops on 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 job opportunities to students.
- Boosted club members count by **400%** within the first two months of joining the board of directors.

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

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

Top 5 Overall at SB Hacks IX: GratiCat (devpost.com/software/graticat) — **May 2023**
- Won Top 5 Overall Team and Honorable Mention for Best Presentation delivered.
- Developed a gratitude app with a team of 4 using React Native, Firebase, TypeScript, and NLP to analyze users' values.

First Place for UCSB GDSC Solutions Challenge: Verde (github.com/AjayLiu/verde) - *React Native, Firebase* — **Mar 2023**
- Collaborated with 3 team members over 4 months to create a social media app similar to BeReal promoting sustainability.

AWARDS

UCSB Regents Scholarship
Taiwanese American Scholarship Fund
Chao Family Foundation Scholarship
Evalee C. Schwarz Charitable Trust for Education