

Ajay Liu

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EDUCATION

University of California, Santa Barbara <i>Bachelor of Science (B.S.) in Computer Science</i>	Santa Barbara, CA Sep 2022 - Expected Jun 2026
<ul style="list-style-type: none">• Cumulative GPA: 3.92 / 4.0 (Dean's Honors).• Relevant Coursework: Data Structures and Algorithms, Distributed Systems, Computer Networking, Computer Architecture.• Scholarships: UCSB Regents, Taiwanese American Scholarship Fund, Chao Family Foundation, Evalee C. Schwarz Charitable Trust	

WORK EXPERIENCE

AppFolio <i>Software Engineer Intern (CI / Dev Tooling Team)</i>	Santa Barbara, CA Jun 2025 - Sep 2025
<ul style="list-style-type: none">• Implemented bulk test muting on CircleCI dashboard with Ruby, saving teams 80% time to bypass flaky tests blocking progress.• Built CLI plugins with Oclif for 200+ engineers to quickly launch MySQL databases and generate documentation templates.• Pioneered the migration of 4 production databases from MySQL 5.7 to 8.0, establishing best practices for regression testing.	
UCSB IT Internship Program <i>Web Application Developer Intern</i>	Santa Barbara, CA Apr 2024 - Mar 2025
<ul style="list-style-type: none">• Automated user permission updates to cut processing time by 95% for grad school staff using .NET, C#, React, and TypeScript.• Designed database schemas and stored procedures in Microsoft SQL Server to consolidate two legacy systems into one.	
Early Research Scholars Program (ERSP) <i>Student Researcher</i>	Santa Barbara, CA Sep 2023 - Mar 2025
<ul style="list-style-type: none">• Formulated pilot study with Four Eyes Lab (AR/VR) Professor Tobias Höllerer on the effectiveness of GPT-4 for Method of Loci.• Conducted experiments with 50+ participants, showing a 30% memory recall improvement using AI-generated imagery.	
Snag <i>Software Engineer Intern</i>	Santa Barbara, CA Jun 2023 - Aug 2023
<ul style="list-style-type: none">• Interned 10-weeks with Founding Software Engineers on the Snag Delivery App (200,000+ downloads) developed with Flutter.• Generated 800+ missing product descriptions for store items across 11 Snag locations using GPT-4, TypeScript, Firebase.• Revamped backend employee system with Deputy API to reduce shift scheduling times by 90% for Snag store managers.	

LEADERSHIP EXPERIENCE

Google Developer Groups - UCSB Chapter <i>Director of Instruction</i>	Santa Barbara, CA Sep 2024 - Jun 2025
<ul style="list-style-type: none">• 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 React, Unity, Firebase, React Native, SQL, and Git, boosting club membership by 400%.	
Game Development Club <i>President (2019-2022), Lead Programmer (2018-2020)</i>	Fullerton, CA Aug 2018 - Jun 2022

PROJECTS

YapMaps (yapmaps.vercel.app/)	Oct 2025
<ul style="list-style-type: none">• Won 1st Place Overall at Unwrapathon for <i>YapMaps</i>, a web app visualizing trending campus discussions across U.S. universities.• Built an NLP pipeline using all-MiniLM-L6-v2 text embedding to cluster 8000+ Reddit posts by topic and highlight top posts.	
GratiCat (devpost.com/software/graticat)	May 2023
<ul style="list-style-type: none">• Won Top 5 Overall Team out of 34 teams and Honorable Mention for Best Presentation Delivered at SB Hacks IX.• Built a daily gratitude journaling app with NLP analysis using React Native, helping users reflect on personal values over time.	

SKILLS

- **Programming Languages:** TypeScript, Ruby, C++, C#, Python, Java, Shell, SQL, JavaScript, PHP, Assembly, Bazel, YAML.
- **Frameworks & Tools:** React, Firebase, AWS, .NET, Ruby on Rails, Unity, 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.