

Ajay Liu

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EDUCATION

University of California: Santa Barbara

Computer Science, Bachelor of Science

- Awarded UC Regents Scholarship, given to less than 2% of incoming undergraduate freshmen for exceptional merit.

Santa Barbara, CA

Sep 2022 - Present

Troy High School

Computer Science Magnet Pathway

- Awarded Troy Tech Pathways Award in Computer Science, given to two Troy Tech seniors in each pathway annually.

Fullerton, CA

Aug 2018 - Jun 2022

PROJECTS

GratiCat (devpost.com/software/graticat)

- 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.

May 2023

Verde (github.com/AjayLiu/verde)

- Won UCSB's Google Developer Student Club Solution Challenge.
- Collaborated with 3 team members to create a social media app promoting sustainability. Built with React Native and Firebase.

Mar 2023

Notation Visualizer (notation-visualizer.ajayliu.com)

- Developed interactive visualizer site explaining Computer Science topics: Infix, Prefix (Polish), and Postfix (Reverse Polish) notation.

Jul 2022

Bet You Don't Know (bet-you-dont-know.ajayliu.com)

- Built full stack multiplayer website with realtime lobby, chat, kick, admin capabilities.

Jun 2021

Inspiration Jar (inspiration-jar.ajayliu.com)

- Launched positivity social media platform using Google OAuth 2.0 for login, send, read, and upvote capabilities.

Mar 2021

AjayLiu.com (ajayliu.com)

- Designed own interactive portfolio showcasing over 15 self-made apps. Visited by more than 3000 unique users.

Feb 2020 - Present

TECHNICAL EXPERIENCE

Snag Delivery

Software Engineer Intern

- 10-week paid internship at startup under California NanoSystems Institute's Propel Startup Fellowship.

Isla Vista, CA

Jun 2023 - Aug 2023

Charipay

Frontend Web Developer Intern

- Earned one of 2 spots out of 16 applicants for UCLA startup after rigorous technical interview process. Shadowed for 150 hours.

Los Angeles, CA

Jun 2021 - Jul 2021

SuperProf

Online Instructor

- Tutored college student with advanced level C++ development course that resulted in significant grade improvement.
- Taught elementary school student the full process of Unity game development, publication, and web portfolio.

Fullerton, CA

Feb 2020 - Nov 2021

Game Development Club

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

- Led over 35 active members across 3 departments to create full scale games collaboratively using Github.
- Published 3 games on Google Play Store and created club website (troygamedev.com) with playable demos of every game.

Fullerton, CA

Aug 2018 - Jun 2022

StemUp4Youth Club

Web Developer Board Position (2020-2022), STEM Instructor (2018-2022)

- Develop, design, and maintain the website built from scratch for the largest volunteer organization at Troy High School.
- Volunteered over 120 hours teaching underprivileged and special education children how to code using Code.org.

Fullerton, CA

Aug 2018 - Jun 2022

EXTRACURRICULAR EXPERIENCE

Untitled Dance Company

Dancer

- Earned one of less than 5 spots out of over 100 auditionees during Fall tryouts.

Santa Barbara, CA

Sep 2022 - Present

All Male Varsity Dance Team

Captain

- Won 1st place for Small All Male category at CADTD Esperanza High School and WCE Newbury Park High School.

Fullerton, CA

Jul 2020 - Jun 2022

AWARDS

Chao Family Foundation Scholarship

- Awarded to 5 high school seniors seeking a degree at University of California (UC) or Cal State University in Fall 2022.

Jun 2022

Taiwanese American Scholarship Fund

- Awarded to 10 outstanding Taiwanese American high school seniors and first year college students across the United States.

Jun 2022

Evalée C. Schwarz Charitable Trust for Education

- Awarded to undergraduate and graduate students who demonstrate exceptional academic performance and significant financial need.

Jun 2022

LANGUAGES AND SKILLS

- Next.js, React, Typescript, Github, C++, C#, Java, Python, Express, TailwindCSS, Vim, Unity Game Engine, Visual Studio Code
- Fluent in English, Mandarin Chinese; Proficient in Spanish.