

# 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.
- Academic GPA: 4.0

Santa Barbara, CA

Sep 2022 - Present

### Troy High School

*Computer Science Magnet Pathway*

- Academic GPA: 4.55

Fullerton, CA

Aug 2018 - Jun 2022

## PROJECTS

### GratiCat ([devpost.com/software/graticat](https://devpost.com/software/graticat))

May 2023

- Won Top 5 Overall out of 31 teams at SB Hacks XI; won Honorable Mention award for best presentation delivered.
- Collaborated effectively with team of 4 to develop a gratitude app, incorporating NLP to analyze user's values with React Native.

### Verde ([github.com/AjayLiu/verde](https://github.com/AjayLiu/verde))

Mar 2023

- 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.

### Notation Visualizer ([notation-visualizer.ajayliu.com](https://notation-visualizer.ajayliu.com))

Jul 2022

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

### Bet You Don't Know ([bet-you-dont-know.ajayliu.com](https://bet-you-dont-know.ajayliu.com))

Jun 2021

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

### Inspiration Jar ([inspiration-jar.ajayliu.com](https://inspiration-jar.ajayliu.com))

Mar 2021

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

### AjayLiu.com ([ajayliu.com](https://ajayliu.com))

Feb 2020 - Present

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

## TECHNICAL EXPERIENCE

### Charipay

Los Angeles, CA

*Frontend Web Developer Intern*

Jun 2021 - Jul 2021

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

### SuperProf

Fullerton, CA

*Online Instructor*

Feb 2020 - Nov 2021

- 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.

### Game Development Club

Fullerton, CA

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

Aug 2018 - Jun 2022

- 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 ([troysgamedev.com](https://troysgamedev.com)) with playable demos of every game.

### StemUp4Youth Club

Fullerton, CA

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

Aug 2018 - Jun 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.

## EXTRACURRICULAR EXPERIENCE

### Untitled Dance Company

Santa Barbara, CA

*Dancer*

Sep 2022 - Present

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

### All Male Varsity Dance Team

Fullerton, CA

*Captain*

Jul 2020 - Jun 2022

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

## AWARDS

### Chao Family Foundation Scholarship

Jun 2022

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

### Taiwanese American Scholarship Fund

Jun 2022

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

### Troy Tech Pathways Award - Computer Science

Jun 2022

- Awarded to two Troy Tech seniors in each pathway annually.

### Evalée C. Schwarz Charitable Trust for Education

Jun 2022

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

## 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.