Ajay Liu

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EDUCATION

University of California: Santa Barbara   **Santa Barbara, CA**
Computer Science, B.S.   **Sep 2022 - Present**
- Awarded UC Regents Scholarship, given to less than 2% of incoming undergraduate freshmen for exceptional merit.

Troy High School   **Fullerton, CA**
Computer Science Magnet Pathway   **Aug 2018 - Jun 2022**
- Academic GPA: 4.55
- Ranked #1 Best Public High School in Los Angeles/Orange County Area by Niche.

PERSONAL WEB PROJECTS (ajayliu.com)

Notation Visualizer (notation-visualizer.ajayliu.com**)**   **Jul 2022**
- Developed interactive visualizer explaining Computer Science topics: Infix, Prefix (Polish), and Postfix (Reverse Polish) notation.

Bet You Don't Know (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)   **Mar 2021**
- Launched positivity social media platform using Google OAuth 2.0 for login, send, read, and upvote capabilities.

When (when.ajayliu.com)   **Feb 2021**
- Built time conversion app where permalinks are shared and converted to local times. Visited by more than 1500 unique users.

Sheep or Goat (sheep-goat.ajayliu.com)   **Jul 2020**
- Created a machine learning image classifier with over 98% accuracy of distinguishing sheep from goat using Python and Fast.ai.

AjayLiu.com (ajayliu.com)   **Feb 2020 - Present**
- Designed own interactive portfolio showcasing over 15 self-made apps. Visited by more than 2700 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 (troygamedev.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 Winner   **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 Winner   **Jun 2022**
- Awarded to 10 outstanding Taiwanese American high school seniors and first year college students across the United States.

Wittry Programming Competition   **Mar 2020**
- Won 1st sophomore team at annual district-wide Java contest. Invited to state-wide contest hosted by Lockheed Martin.

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.