

Andrew Zhang

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EDUCATION

UNIVERSITY OF CALIFORNIA, LOS ANGELES

Los Angeles, CA

Bachelor of Science, Computer Science

Expected Graduation June 2025

GPA: 4.0

Dean's List

September 2021 - Ongoing

Relevant Coursework:

Computer Science & Mathematics

- **CS180:** Algorithms and Complexity, **CS M151B:** Computer Systems Architecture, **CS131:** Programming Languages, **CS181:** Formal Languages and Automata Theory, **CS174A:** Computer Graphics, **CS35L:** Software Construction, **M51A:** Logic Design of Digital Systems
- **Math115A:** Linear Algebra, **Math134:** Systems of Differential Equation, **Math131A:** Real Analysis, **Math132:** Complex Analysis, **C&EE110:** Statistics and Probability for Engineers

WORK EXPERIENCE

UCLA Research Center

Los Angeles, CA

Student Researcher

November 2021 - Ongoing

- Develop software and hardware system for multipurpose bot to complete task(food delivery, AI replaceable tasks)
- Automating time consuming and repetitive tasks that humans have to perform inside the UCLA system.
- Specialty focus: Use machine learning algorithm to program robots to respond to situations (image recognition)

LEADERSHIP EXPERIENCE

BruinLabs

Los Angeles, CA

Lead Software Developer

June 2021 - September 2022

- Creating and designing the prototype app + website for the startup's outline using HTML, JS and CSS.
- Working with git version control to improve current designs/features and create better features for our website.

CodeChampion

Irvine, CA

Co-Founder

June 2019 - September 2021

- Educate and inspire young learners by helping them take their first step into the computer science world.
- Coordinate and maintain operations while also establishing a work-friendly environment for tutors and students.
- Hold bi-weekly workshops to teach programming to students and work through the challenges students face.

Labdoo

Irvine, CA

Lead Volunteer

September 2017 - November 2022

- Lead a group of volunteers to repair and prepare recycled laptops to be donated to third-world countries.
- Enthusiastically created a friendly environment and established efficient working relationships with volunteers.
- Experienced in handling unexpected problems and any arising conflicts impeding the working environment.

EXTRACURRICULAR ACTIVITIES

ACM Hack

Los Angeles, CA

Member

September 2020 - Ongoing

- Expand my computer science knowledge through various workshops on JS, HTML, React, CSS, MongoDB
- Explore the possibilities of coding and create mini-projects weekly along with the Hack School program.

Self Projects

- Ranked Wordle: Practical 1v1 Wordle game with ranking system. Use of HTML and CSS to visually enhance the website. Analyze networking protocols and implement server-side player syncing and user-side game rendering.
- Date matchmaking program: Uses efficient time complexity algorithms to find matching members in big database.
- Mini Mario video game: create a small-scale version of super Mario with object-oriented programming. Implemented efficient interactions throughout the game with polymorphism and use of virtual functions.

ADDITIONAL INFORMATION

Github: <https://github.com/zhangandrew2>

Skills: C/C++, Java, Python, HTML/CSS, Javascript, React, MongoDB, Chinese(Fluent), problem-solving