

Allison Chan

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EDUCATION

University of California, San Diego

Expected: July 2026

Bachelors of Science, Computer Science

Relevant Courses: Design & Analysis of Algorithm, Advanced Data Structures, Computer Organization, Data Science, Machine Learning in Music, Data Science in Practice

De Anza College

June 2024

Associate Degree for Transfer, Computer Science | GPA: 3.88

Relevant Courses: Data Abstraction & Structures; ; Computer Architecture & Assembly; Object Oriented Design & Analysis; Calculus; Physics

TECHNICAL SKILLS

Programming Languages: C, C++ , Python , Java , Javascript/HTML/CSS

Tools: Git, Linux

Skills: Problem Solving, Collaboration, Bilingual(Chinese & English)

EMPLOYMENT

Software Engineering Internship | CTI-Codeday

June 2024 - August 2024

- Collaborated with mentor and team on **Storybook**, an open source frontend workshop with millions of users, created for development, testing, and documentation of UI components
- Worked on **Accessibility Addon** blurred border issue due to interaction between CSS method **blur()** and **box-shadow** CSS, enhancing accessibility testing accuracy
- Utilized **React** functions to modify filter applications of components within iframe without impacting iframe border ([Pull Request](#) [Blog Post](#))

PROJECTS / EXPERIENCES

NASA Community College Aerospace Scholars | Langley Research Center

February 2024 - July 2024

Mission 1: Discover

- Conducted Research on different NASA mission directorates
- Wrote reflection essays, created mission directorate infographic

Mission 2: Exploration Simulation

- Effectively communicated with team to ensure success for simulated mission under constraints to budget
- Appointed as Instrument Engineer, researched current scientific instruments used
- Presented work and research in front of panel

Mission 3: Capstone Project - E-Waste Drone

- Researched current Advanced Air Mobility (AAM) statistics and laws to ensure full regulatory compliance and project alignment with industry standards.
- Collaborated with engineers and designers to align the E-Waste Drone project with both community needs and NASA's strategic goals.
- Presented the E-Waste Drone as an innovative AAM solution to a panel of NASA employees, demonstrating its potential impact on environmental sustainability.

Open Source Dashboard | CTI-Codeday SWE Micro-Internship

Nov 2023 - January 2024

- Contributed to **Open Energy Dashboard**, a project in use by a number of agencies that aims to provide an accessible energy dashboard that can collect, convert, and graph energy data
- Implemented test case B9, expanded and tested bar graph abilities through kilowatt and mega joules conversions
- Efficiently learned **JavaScript** in two weeks to implement **mocha** and **chai** testing frameworks ([Blog Post](#))

Information Technology Specialist | De Anza College CompTechS

August 2023 - March 2024

- Volunteer organization designed to help gain computer access to students
- Weekly volunteer contributing technical skills in disassembling computers, downloading new operating systems and tests for refurbished computers ensuring it meets students needs.
- Collaborated with other volunteers in a team environment