

# Sophia Tran

Undergraduate Student  
University of California, Irvine

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## EDUCATION

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- **University of California, Irvine** September 2021- June 2025  
*Computer Science, B.S.* GPA: 3.8
- **San Marino High School** May 2021  
*High School Diploma* GPA: 3.9

## TECHNICAL SKILLS AND INTERESTS

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**Languages:** C/C++, Python, Javascript/HTML/CSS, Typescript, SQL, Verilog, R

**Developer Tools:** Git, Linux, Jira, Vivado, Prisma

**Frameworks:** React, Bootstrap, Flask

**Soft Skills:** Teamwork, Problem Solving, Independent Learning, Teaching

## EXPERIENCE

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- **Breeze End Technology, LLC** July 2023 - Present  
*Web Application Developer Internship* Remote
  - With MySQL, successfully implemented brand and condition fields, leading to a significant increase in the accuracy of product listings and enhanced search filtering options for customers.
- **ICS Student Council** June 2023 - Present  
*Fellowship Program* Irvine, CA
  - Using Git, Javascript/CSS, React, APIs, and Typescript created a personal website.
- **UCI CubeSat** January 2023 - Present  
*Embedded Software Engineer* Irvine, CA
  - Successfully gathered and documented software requirements for the CubeSat's power systems, contributing to a clear understanding of the project's scope and objectives.
  - Collected and analyzed sensor data, with C using an STM32L4 microcontroller to test the quality of various sensors in the scope of our satellite's capabilities.
- **Young Engineers of Greater San Diego** June 2021 - August 2021  
*Instructor* San Diego, CA
  - Taught children from K-5 about using motors for constructing and controlling lego projects.

## PERSONAL PROJECTS

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- **Zot Major**  
*VenusHacks 2023*
  - Tools & technologies used: React, Bootstrap, Youtube API, Flask, Git, HTML, CSS
  - Zot Major offers a user-friendly interface to explore majors that are offered to a university student. As the user navigates through the options, they will encounter carefully curated data to gain a richer understanding of a major.

## ACHIEVEMENTS

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- **"Design and Development of AntSat 01's 2U CubeSat Flight Subsystems"** May 2023  
Authored the poster publication from winning the Dean's Choice Award.
- **BMES Hackathon: 1st Place** March 2023  
Presented an idea for a mental health game app that offers daily challenges to encourage more social interactions, physical activity, and healthy mindsets. Awarded \$450.
- **UROP Fellow** December 2022  
Awarded \$600 funding for project on aldehyde production with a noncanonical cofactor system in alcohol dehydrogenases.
- **Dean's Honors List** Fall 2021 - Present  
Awarded for a quarter GPA above 3.5 with 12+ units.