

Tiffany C. Chieu

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EXPERIENCE

Bruin Space, UCLA

Software Lead, Project Reach | October 2020 - Present

Manages a team of 10 students to develop amateur rocket payloads using the CubeSat form factor. Maintains the SPARTAN Flight Software, a modular platform for CubeSat flight systems providing a sensor driver library and data packet framework.

DevX, UCLA

Backend Developer | April 2020 - September 2020

Maintained the backend of BConnect, a web application hosted with Heroku that helps UCLA alumni with shared interests connect with others in their local area. Written in Go with PostgreSQL.

K-12 Tutor

January 2018 - Present

Tutors students in computer science, mathematics, English grammar and writing, and AP coursework.

FRC Team 1515, Beverly Hills High School

Programming Lead | August 2015 - May 2019

Developed robot code in Java with the WPI Robotics Library and maintained a web application written with React and nodeJS, while leading a team of 15 students. Also implemented a vision tracking and pathfinding system for the robot using Python and OpenCV.

EDUCATION

University of California, Los Angeles | Los Angeles, CA

B.S. in Computer Science and Engineering | Degree expected 2023

Major GPA: 4.0, Cumulative GPA: 3.91

Beverly Hills High School | Beverly Hills, CA

August 2015 - May 2019

GPA: 3.98 (unweighted), 4.61 (weighted)

TECHNICAL SKILLS

Programming languages: Java, Python, C++, C, Rust, Go, Bash, HTML/CSS/JavaScript (including React, nodeJS)

Operating systems: Linux, MacOS, Windows

Other: Android, Flutter, React Native, OpenCV, Git

ACHIEVEMENTS

Best IoT That Incorporates Multiple Nodes (sponsored by Northrop Grumman): SD Hacks 2019

Best Use of Taboola Trends API: LA Hacks 2019

ABRSM Certificate for Piano Grade 8

OTHER INTERESTS

- Machine Learning
- Computer vision
- Embedded software
- Robotics
- Flute and piano