Tiffany Chieu

Contact

Los Angeles, CA

(424) 448-4844

tiffany.chieu@pm.me

github.com/tiffany1618

linked.com/tiffany-chieu

tchieu.com

Technical Skills

Languages:
C/C++, Rust, Go, Python, Java, HTML/CSS/JavaScript, Verilog

Other:
OpenCV, React, nodeJS, Git

Interests

- Computer vision
- Embedded software
- CubeSat development
- Machine learning
- Robotics
- Flute and piano

Awards

Best IoT That Incorporates Multiple Nodes
SD Hacks 2019 | UCSD

Best Use of Taboola Trends API
LA Hacks 2019 | UCLA

ABRSM Certificate for Piano Grade 8
2016

Education

University of California, Los Angeles **Sept 2019 - Jul 2023**
Los Angeles, CA
B.S. in Computer Science and Engineering | Degree expected 2023
Major GPA: 4.0, Cumulative GPA: 3.92

Experience

Software Developer **Sept 2021 - Present**
Unmanned Aerial Systems, IEEE UAV Competition | UCLA
- Currently developing a feature-based, real-time object tracking algorithm using OpenCV and optical flow

CDH Lead, Software Engineer **May 2021 - Present**
Bruin Spacecraft Group, Project Rapid | UCLA
- Manages a group of 5 students as Command and Data Handling (CDH) team lead, including creating and delegating tasks
- Develops flight software for CubeSats in C++

Lead Software Engineer **Oct 2020 - May 2021**
Bruin Spacecraft Group, Project Reach | UCLA
- Managed a team of 10 students to develop CubeSat flight software
- Restructured monolithic data packet schema into discrete, encoded packets containing all data collected from a sensor at a given time
- Added decoding logic for the data packets

Backend Developer **Apr 2020 - Sept 2020**
DevX, BConnect | UCLA
- Restructured database schema to remove redundancies and increase efficiency of database queries
- Improved error handling and expanded test coverage

K-12 Tutor **Jan 2018 - Present**
Los Angeles, CA
- Tutors students in computer science, mathematics, English grammar and writing, and AP coursework

Projects

imgproc-rs **Dec 2020 - Present**
A Rust Image Processing Library
- Supports most common image operations (including linear filtering through convolution; median, bilateral, and alpha-trimmed mean filters)
- Provides a flexible, concise image container
- Supports multithreading
- Currently working on adding SIMD support