

## Education

### University of California Irvine [Regents' Scholarship]

Sep 2021 - Expected June 2024

Bachelor of Science, Computer Science

GPA 3.68

- Programming in C++ & Python, Linear Algebra, Boolean Logic, Discrete Math, Computer Organization, etc.

## Work Experience

### United Parcel Service

Sep 2022 - Mar 2023

Information Technology Co-Op

Irvine, CA

- Will be working on agile development for developing a mission-critical component of shipping applications
- Will be doing backend work in Java, C, and SQL Language

### Cloudstream Medical Imaging, Inc.

July 2021 - Sep 2021

Software Analyst Intern

San Diego, CA

- Added 5 digital filtering techniques, like median and bilateral filter, to remove noise from an image
- Developed a linear conversion between dB and PPM to help adjust the switch between sound measurements
- Created an ultrasound v-wave to decrease the reflected wave distance, thereby increasing image quality

### Cloudstream Medical Imaging, Inc.

Aug 2020 - Sep 2020

Software Quality Assurance Intern

San Diego, CA

- Thoroughly checked and run through each test file to ensure a high-quality user experience
- Fixed minor bugs that may have arisen during the testing of each file

### San Diego Supercomputer Center

June 2020 - Aug 2020

Teaching Assistant

San Diego, CA

- Spoke as the representative for the program at the REHS Poster Session
- Mentored 20 high school teachers on how Python and Jupyter Notebook can be used in the teaching landscape
- Taught concepts, like recursion, through programming games, like Tower of Hanoi and Thai21

## Projects

### ICS Student Council

Nov 2021 - Present

Full Stack Developer

Irvine, CA

- Working with other developers to build software for students in UC Irvine relating to course information
- Designing and building Peter Portal into a mobile-friendly website with React

### Commit the Change

Oct 2021 - Present

Full Stack Developer

Irvine, CA

- Working with other developers/designers to build software for a suicide prevention organization, Find Your Anchor
- Creating a React website to display the 30,000+ gratitude boxes Find Your Anchor has launched in all 50 states
- Integrating Leaflet API for map visual and using Express for mass importing gratitude box information

### Bar Path Object Tracking

[github.com/kylерpan/object-tracking](https://github.com/kylерpan/object-tracking)

- Built an object tracking program in Python using a trained deep learning model
- Developed a program to draw the bar path of weight lighting video using OpenCV

### Fancy Website

[kylерpan.netlify.app](https://kylерpan.netlify.app)

- Built an elevated personal website about myself deployed on Netlify
- Replicated the Stanford design school's website only using HTML, CSS, and Javascript

## Skills

**Proficient:** C++, Python, HTML, CSS, Javascript, OpenCV, React

**Intermediate:** Deep Learning, Express, Java