Kyle Pan

(858) 699-8832 | kylerpan691@gmail.com | linkedin.com/in/kylerpan | Irvine, CA

Education

University of California Irvine [Regents' Scholarship]   Sep 2021 - June 2025

Bachelor of Science, Computer Science   GPA: 3.69

- Data Management, Computer Organization, System Design, Computer Vision, Algorithms, Operating Systems. etc.
- Upcoming classes: Project in Databases and Web Application, Artificial Intelligence, Machine Learning and Data-Mining

Work Experience

United Parcel Service   Sep 2022 - Present

Information Technology Co-Op   Remote

- Working in an agile development environment for developing a mission-critical component of shipping applications
- Creating new and convert existing APIs to RESTful APIs for external client usage in C#
- Using C# to convert shipping component information from XML to JSON
- Involved in UPS hackathon to improve upon their ability to locate auto equipment

Cloudstream Medical Imaging, Inc.   July 2021 - Sep 2021

Software Analyst Intern   San Diego, CA

- Added 5 post processing digital filtering techniques (ex. 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 in C++, thereby increasing image quality
- Added features and updated GUI to include new implementations

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 in C++ that may have arisen during the testing of each file

Projects

ICS Student Council: PeterPortal   peterportal.org

- Worked with other developers to build a web application providing course information at UCI using RESTful API
- Designed and built PeterPortal into a mobile-friendly website with React and ExpressJS
- Created new functionalities for mobile-friendly website using Redux

Commit the Change: Find Your Anchor   github.com/ctc-uci/find-your-anchor-frontend

- Worked with other developers/designers to build a web application for a suicide prevention organization
- Created a React website to display the 30,000+ gratitude boxes that has been launched in all 50 states
- Integrated Leaflet API for map visual and used ExpressJS for mass importing gratitude box information

Bar Path Object Tracking   github.com/kylerpan/object-tracking

- Built an object tracking program in Python using a trained deep learning model
- Developed a program to draw on video the bar path of a barbell using OpenCV
- Improved bounding box accuracy by applying weights and resizing image

Fancy Website   kylepan.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/C++, Python, HTML, CSS, Javascript, React, Git
Intermediate: Java, Deep Learning, Redux, ExpressJS, Linux, SQL, OpenCV