

# Justin Yee

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## EXPERIENCE

### DevOps/Software Engineering Intern

June 2023 - September 2023

Quantum Signal AI, Ford AV subsidiary

#### – Project Name: TicketMaster

**Tech used: Python, API, SVN, XML, ANT, Jenkins, Pytest**

- Developed an automation system for generating bug tracking issue notes, triggered by SVN commits, reducing manual work and human error.
- Enhanced project tracking accuracy and team collaboration, streamlining the development process.

#### – Project Name: Faide

**Tech used: Python, MySQL**

- Automated the cleaning of hard drives by comparing contents to a MySQL database, improving data management and security.
- Facilitated the detection and removal of unauthorized files, ensuring compliance with data security policies.
- Gained comprehensive knowledge of the Software Development lifecycle, successfully delivering projects from inception through development, testing, and documentation.

### Driver Interface Engineer - UCR Solar Car

March 2022 - June 2023

Riverside, CA

[github.com/UCR-Solar-Car](https://github.com/UCR-Solar-Car) ↗

- Optimized code by reducing memory usage, cleaning unused variables, and simplifying functions.
- Designed and implemented UI icons and labels using QtCreator and C++.
- Loaded simulated data from InfluxDB for visualization on Grafana and contributed to the Solarcar website's design and mobile responsiveness.
- Integrated code into a Raspberry Pi for display on a 7" screen, collaborating in weekly meetings to discuss progress and ideas for the Solar Car dashboard.

### Database Specialist

June 2021 - Present

Hawkrigde Systems

- Managed lead uploads, market research, and data cleaning, inputting findings into Salesforce.
- Used Marketo for automated tracking of video plays and website visits, enabling data-driven marketing strategies.
- Queried lead data from Marketo using Postman.
- Coding and configuration tasks for commission platform Captivate IQ. Rule creation, troubleshooting, and data accuracy.
- Updated PDF layouts using HTML/CSS and generated data reports.
- Streamlined workflows in Monday.com and optimized lead management with Salesforce Flow automation.

### AI Software Developer - Robosub@UCR

December 2023 - June 2024

Riverside, CA

[github.com/Jyro88/Robosub](https://github.com/Jyro88/Robosub) ↗

- Developed and implemented computer vision algorithms using OpenCV for autonomous underwater vehicle in RoboSub project.
- Utilized OpenCV for detecting parallel and red lines to enhance vehicle navigation and obstacle avoidance.
- Performed video and image processing tasks, including real-time video analysis and frame-by-frame image processing.
- Implemented corner and edge detection algorithms to identify and track key features in the underwater environment.
- Collaborated with team members to integrate computer vision systems with vehicle's control and navigation systems.

## GITHUB FULLSTACK WEB PROJECTS, LINKED

- Image finding game
- Solarcar
- ACM Website

## EDUCATION

### BS+MS, Computer Science

University of California, Riverside

9/21 - 12/25

- **Relevant Coursework:** Machine Assembly, Software Construction, AI, NLP, Data Structures and Algorithms, Discrete Structures, Logic Design, Embedded Systems, Compiler Design, Design of Computer Architecture

## SKILLS/INTERESTS

Soft: Teamwork, Coaching, Management, Communication, Leadership

Technical: C++, Python, Microsoft products, Salesforce, Javascript, CSS/HTML, MySQL, Linux, Gtest, PyTest, Git/subversion, Computer Vision, Jenkins, Ant, React, Node.js, QT