

Kei Asakawa

310-490-4839 | keiasakawa4@gmail.com | [linkedin.com/in/kei-asakawa](https://www.linkedin.com/in/kei-asakawa) | github.com/keiasakawa

EDUCATION

University of California, Irvine

Bachelor of Science in Computer Science

Irvine, CA

Sept. 2019 – Sept. 2023

EXPERIENCE

Part Time Junior Software Engineer

Jun. 2025 – Present

Off Canvas

Los Angeles, CA

- Designing and refining AI Agent to answer natural language art related questions, focused on simulating art advising
- Direct AI to search knowledge base and implement guardrails when necessary to ensure security measures are met
- Leveraged knowledge in Python, Flask, Next JS, Typescript, OpenAI

Software Engineer Intern

Aug. 2024 – Nov. 2024

Lamar IoT

Los Angeles, CA

- Worked closely with lead engineer and CTO to contribute to, design, and showcase dashboard application and company website to clients and investors
- Spearheaded integration of company-wide practices such as design mapping, group chats, and product feature
- Leveraged knowledge in React, HTML, CSS, Typescript

Developer

Oct. 2021 – March 2023

Commit the Change

Irvine, CA

- Partnered with nonprofit organizations annually to build full-stack solutions, improving operational efficiency by average of 40%
- Performed testing/debugging and created documentation, increasing dev process efficiency by 20%
- Leveraged knowledge in Figma, Git, HTML, CSS, Typescript, React, Node.js, Express, MongoDB, MySQL, and debugged using Chrome Developer Tools

PROJECTS

Basketball Tracker AI | *Python, OpenCV, Ultralytics YOLO, Supervision*

- Built an AI that takes a basketball video as input and outputs a video showing the players being tracked, their team, and the basketball
- Trained YOLO model using Roboflow dataset to accurately predict bounding boxes
- Classified team colors on jersey using KMeans algorithm

Movie Database Web Application | *Typescript, HTML, CSS, Ionic, React. Javascript, Python*

- Partnered with a developer to implement a full stack website built from scratch that displays a catalog of 1000s of movies and hosted on web server
- Implemented Google OAuth to employ security measures to get data from database
- Optimized backend services to run in under 500ms to retrieve information using MySQL queries

Weight Loss App | *Typescript, HTML, CSS, Ionic, React. Javascript, Python*

- Built a full-stack mobile application that allows users to enter in health input and incorporated information from the HealthKit API to produce recommended meals, leading to a 10% increase in better eating habits
- Calculated top 100 ideal meals using cosine similarity from database that was filled with recipes web-scraped from Allrecipes.com

TECHNICAL SKILLS

Languages: Python, JavaScript, Java, C++, SQL, HTML, CSS

Frameworks: Frameworks/Libraries: React.js, Node.js, Express, Flask, Material UI, ChakraUI

Developer Tools: GitHub, AWS EC2, MongoDB, MySQL, Docker