

Joseph Kim

(661)862-9539 • josephkimcodes@gmail.com • josephsookim.com • [LinkedIn](#)

EDUCATION

University of California, Irvine | B.S. in Computer Science [Specialization: Intelligent Systems] Sep 2020 - Jun 2024

- GPA: 3.82/4.0
- Relevant Coursework: Object-Oriented Programming, Data Structures and Algorithms, Computer Architecture, Machine Learning/Data Mining, Computer Networks, Information Retrieval, Database Management, Probability and Statistics, Deep Learning for Medical Imaging

EXPERIENCE

Freelance Software Developer

Jan 2024 - Present

DataAnnotation.tech

- Trained AI models on a variety of prompts, including coding exercises and natural language processing tasks.
- Implemented and tested machine learning prompt generation algorithms using **Python** and **C++**.
- Developed and refined AI coding prompt datasets to improve model performance and accuracy.
- Conducted task-specific evaluations on AI-generated responses to coding prompts, providing detailed feedback and analysis.

AR Effect Engineer Intern

Aug 2022 - Oct 2023

Paper Triangles

- Developed engaging filters utilizing **Snapchat Lens Studio** and **TikTok Effect House**, contributing to enhanced user experiences and brand engagement for **thousands** of users.
- Integrated a variety of APIs into filters to enrich user experiences with real-time information.

Freelance Software Developer

Jan 2020 - Jan 2022

Self-Employed

- Architected resilient software solutions for **over 50 clients**, collectively serving a customer base of **20,000 individuals**.
- Managed server and hosting responsibilities on the Google Cloud Platform, guaranteeing uninterrupted service delivery and client satisfaction.

PROJECTS

Amazon Monitor | *Python* | [Information](#)

- Leveraged **Amazon's Product Advertising API**, deployed on **Google Cloud** Linux Virtual Machines, to address pandemic-induced supply constraints.
- Enabled prompt customer acquisitions by monitoring scarce items, culminating in generating over **\$2 million** in revenue for Amazon.

Web Crawler & Search Engine | *Python, JavaScript, HTML, CSS* | [Information](#)

- Designed and implemented a web crawler using **BeautifulSoup** to systematically traverse and index all pages within the University of California, Irvine website domain.
- Employed advanced techniques, such as **SimHash**, to proactively identify and avoid crawler traps, ensuring seamless and efficient data extraction.
- Developed a responsive front-end interface that allows users to manually query search engine results with **sub-100 millisecond** response times.

ValorWin AI | *Python* | [Information](#)

- Employed **random forest classification** to forecast the probability of winning in Valorant.
- Utilized a comprehensive dataset from the T1, T2, and collegiate scene, encompassing nearly **500,000 rounds** of data spanning all maps in Valorant.

Self Parking AI | *Python* | [Information](#)

- Engineered a self-parking AI system utilizing the **Proximal Policy Optimization (PPO)** reinforcement learning algorithm.

Technical Skills

Python (Advanced), C++ (Familiar), C (Familiar), JavaScript (Familiar), TypeScript (Familiar), MIPS Assembly (Familiar), Pandas, Numpy, Matplotlib, Angular, Ionic, Node.js, MongoDB, SQL, Git, Linux, Google Cloud Platform