JOSEPH KIM

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EDUCATION

University of California - Irvine | **September 2020 - June 2024**
Bachelor's, Computer Science | *GPA: 3.839*

- **Relevant Courses:** User Interaction Software, System Design, Design and Analysis of Algorithms, Programming in Python / C / C++ / Assembly, Information Retrieval, Operating Systems, Data Management, Machine Learning and Data-Mining, Medical Imaging, Probabilistic and Deterministic Graphical Models, Linear Algebra, Discrete Mathematics

PROFESSIONAL EXPERIENCE

Paper Triangles | **Los Angeles, CA, USA**
AR Effect Engineer Intern | *October 2023 - Present*
- Innovated client-focused solutions through brainstorming sessions, leading to compelling ideas presented for client pitches.
- Developed engaging filters using Snapchat Lens Studio and TikTok Effect House.
- Utilized diverse APIs into filters, enhancing user experiences with real-time information.

Paper Triangles | **Los Angeles, CA, USA**
AR Effect Engineer Intern | *August 2022 - December 2022*
- Innovated client-focused solutions through brainstorming sessions, leading to compelling ideas presented for client pitches.
- Developed engaging filters using Snapchat Lens Studio and TikTok Effect House.
- Utilized diverse APIs into filters, enhancing user experiences with real-time information.

Self-Employed | **Remote**
Freelance Developer | *January 2020 - January 2022*
- Proficiently utilized a range of APIs including Amazon, Discord, Twitter, and Reddit, along with external libraries such as Beautiful Soup, Requests, Selenium, Tweepy, and InstaLoader, to develop robust solutions.
- Implemented databases including TinyDB and MongoDB for efficient data storage, and managed server and hosting responsibilities on Google Cloud Platform, ensuring seamless service delivery for clients.

Code Buddy | **Los Angeles, CA, USA**
Teacher / Officer | *April 2017 - January 2020*
- Instructed coding at Los Angeles Unified School District and Pals Youth Center, devising innovative methods to enhance students' learning experiences.
- Developed strategies tailored to improve the quality of after-school programming, fostering an engaging and inclusive educational environment.
- Organized and executed a dynamic coding competition, inspiring students to excel in software engineering and igniting their passion for learning in the field.

PROJECTS & OUTSIDE EXPERIENCE

Amazon Monitor
Developer | *June 2020 - December 2020*
- Developed a high-impact bot using Amazon's Product Advertising API, hosted on Google Cloud Linux Virtual Machines, to tackle pandemic-related supply shortages.
- Facilitated timely customer purchases by tracking scarce items, resulting in $2M+ revenue for Amazon.

Self Parking AI
Developer | *March 2023 - June 2023*
- Developed a self-parking AI system using Proximal Policy Optimization (PPO) reinforcement learning algorithm.
- Worked on optimizing the self-parking AI system for efficiency and performance, displaying attention to detail and a focus on continuous improvement.

Spotify Browser
Developer | *September 2022 - December 2022*
- Utilizes Spotify API for seamless data retrieval, enhancing website content dynamically.
- Implements intuitive hand gesture inputs, enabling users to interact with basic features effortlessly, ensuring a user-friendly and interactive web experience.

SKILLS

Skills: AngularJS, Google Cloud Platform, JavaScript, HTML/CSS, Java, Linux/Unix, C/C++, MongoDB, REST APIs, Python, TypeScript, Agile, Git