

Yuxin (Gloria) Kang

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Education

University of Michigan

Bachelor of Science

Major in Computer Science, Minor in User Experience

President of 2022-2023 Chinese Students and Scholars Association

Expected Graduate: May 2024

GPA: 3.6

Skills

Technical Skills: C++, Python3, HTML, CSS, Swift, JavaScript, Java, React

Libraries and Frameworks: MySQL, MyBatis, MongoDB, Flask, Vue.js, NumPy, pandas, PyTorch, Django, Spring Boot, Spring Cloud, RocketMQ, CRUD

Software Skills: Axure, Jira, Miro, Photoshop, Procreate, Ubuntu

Projects

Instagram Clone | HTML, Python, JavaScript, CSS, SQL

- Created static templates for an Instagram clone, transformed to interactive UIs with **client-side dynamic pages**, and escalated user engagement by 70% by enhancing **CRUD** operations, improving user and content management functionalities.
- Leveraged technologies such as **Django**, **React**, **Axios**, and **PostgreSQL** integration to achieve **full-stack** development, incorporating asynchronous programming via **AJAX calls** to a **RESTful API**.

Search Engine | Python

- Led the development of a scalable search engine in a team, implementing key concepts like **PageRank**, **TF-IDF**, and segmented inverted index for efficient query processing and ranking.
- Engineered a **RESTful API** Index server and a user-centric Search server UI, leveraging a **Service-Oriented Architecture** to ensure scalable and dynamic search result delivery.

Enterprise Resource Planning system (In Progress) | C++, Java, Vue3

- Designed and developed distribute system for enterprise management with **Spring boot** and **Spring Cloud**, handle events up to 10k QPS traffic.
- Build a set of **RESTful API** for enterprise service models, serve business requests with microservices, implement **CRUD** operations for business resources with **MyBatis**, use **MySQL** and **MongoDB** as persistent storage.
- Utilize **NGINX** and **Ribbon** to manage traffic and service instances, utilize **RocketMQ** to handle **asynchronous** communication and decouple services, set up flow control with Sentinel to protect backend system from overload traffic, configure Elasticsearch, Logstash, and Kibana (**ELK Stack**) for real-time logging and monitoring, enabling quick data visualization.
- Deploy **Spring Cloud Consul**, setup Consul Cluster nodes to support service discovery and server register between different server modules, deploy the ERP system in a **Dockerized** environment orchestrated with **Jenkins** for CI/CD to AWS EC2 service, ensuring smooth deployment cycles and consistent delivery across multiple AWS EC2 instances.

Work & Experience

Dragon Shield

Product Manager | Remote | Jul 2023 – Present

- Spearheaded the "zero to one" launch of version 1.2.0 in a startup setting, crafting a detailed PRD that targeted key user pain points, including homepage content optimization, voice messaging, and player-matching functionalities.
- Led cross-functional teams through user story mapping, acceptance criteria, and flowcharts, ensuring rapid and agile development cycles consistent with startup culture.

Asia Innovations Group

Product Manager Intern | Beijing, China | May 2023 – Aug 2023

- Spearheaded the creation and training of a sentiment analysis model, developed Support Vector Machines (SVMs) during a product development cycle. Achieved an accuracy rate of 83% in predicting user post sentiments.
- Integrated sentiment analysis results with Dream Studio's API post-analysis, utilized sentiment analysis results to prompt engineering and integrated with Dream Studio's API; orchestrated product development cycles for AIGC features, translating complex problems into actionable steps for effective solutions, resulted in a 20% increase in user activity.