

Jason Zefeng Fu

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EDUCATION

Fordham University

Master of Science in Computer Science; GPA: 3.81/4.00

New York, NY

08/2023 – 12/2024 (Expected)

Kenyon College

Bachelor of Art in Modern Language & Literature, **Minor in Mathematics**

Gambier, OH

08/2018 – 05/2022

Mathematical Contest in Modeling (2020): Developed advanced models and achieved top 26% ranking out of 13,753 teams.

TECHNICAL SKILLS

Languages: Java, Python, Javascript, C++ **Frameworks/Technologies:** Spring, MySQL, MongoDB, Redis, MyBatis, Google Cloud, Docker, Kubernetes, RabbitMQ, Elasticsearch, Logstash, Kibana, Flask, React

PERSONAL PROJECTS

E-commerce Web Application

05/2024 – 08/2024

Tech Stack: Springboot, Vue, MyBatis, MySQL, MongoDB, Redis, RabbitMQ, Elasticsearch, Docker, Kubernetes, Jenkins

- **Full-stack Application:** Developed a Spring Boot backend and an interactive Vue.js frontend to manage inventory and customer orders. Built secured RESTful APIs with Spring Security.
- **Optimized Database Architecture:** Designed a high-performance database system using MySQL for core storage, MyBatis as the ORM layer, and implemented Redis caching to store frequently accessed data, achieving a cache hit rate of 86%, reducing database query latency from 500ms to 50ms, and improving response times by 90%.
- **Advanced Logging and Monitoring:** Implemented the ELK stack (Elasticsearch, Logstash, Kibana) to streamline log management, improving debugging efficiency and enabling detailed application performance insights.
- **Order Management:** Improved the order cancellation process with RabbitMQ, using delayed messaging to automatically release inventory, improving system reliability.
- **CI/CD Implementation:** Containerized the entire application using Docker and automated the deployment pipeline through Jenkins, ensuring smooth, continuous integration and delivery.

AI Poker Agent

09/2023 – 12/2023

Tech Stack: Flask, React, Docker, Kubernetes, Google Cloud

- **AI Decision-making Agent:** Worked in a team of 5 and created a full-stack Texas Hold'em poker application featuring a deep Q-learning AI agent, providing real-time decision-making assistance to players, increasing winning probability by 36%.
- **Real-time Flask Backend:** Built a robust Flask backend to handle real-time API requests, delivering AI-generated decisions with sub-200ms response times, ensuring smooth and uninterrupted gameplay.
- **User-Centric Frontend:** Developed a responsive and intuitive React frontend, enhancing the user experience with real-time feedback and dynamic game visuals.
- **Scalable Cloud Deployment:** Deployed the entire application using Kubernetes on Google Cloud, ensuring horizontal scalability and reliability.

WORK EXPERIENCE

Kintetsu World Express

Chicago, IL

Operations Specialist

07/2022 – 07/2023

- **Import Customs Processes:** Optimized import customs processes by identifying bottlenecks and implementing streamlined procedures, reducing clearance delays and ensuring regulatory compliance.
- **Billing and Issue Resolution:** Managed complex data sets in billing and resolved issues with vendors and customers, maintaining professionalism and fostering positive relationships.
- **Multilingual Communication:** Utilized multilingual communication skills (English, Chinese, Japanese) to collaborate effectively with cross-functional teams and customers, ensuring seamless coordination in a high-stakes international environment.

Kenyon College

Gambier, OH

Apprentice Teacher of Chinese

09/2020 – 05/2021

- **Curriculum Development:** Designed and structured curriculum content to align with course objectives.
- **Classroom Management:** Led classroom sessions for 10 students over Zoom, fostering an interactive learning environment through the effective use of digital tools and resources.
- **Communication:** Simplified complex Chinese language concepts into digestible lessons, encouraging students to ask questions and participate in discussions, resulting in improved language proficiency.