

Jason Zefeng Fu

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EDUCATION

- **Fordham University** New York, NY
Master of Science in Computer Science; GPA: 3.81/4.00 08/2023 – 12/2024 (Expected)
- **Kenyon College** Gambier, OH
*Bachelor of Art in Modern Language & Literature, **Minor in Mathematics*** 08/2018 – 05/2022

HONORS AND AWARDS

- **Mathematical Contest of Modeling:** Applied advanced mathematical model for predicting fish migration in response to global warming. Top 26% winner among 13753 teams in 2020.

PROGRAMMING SKILLS

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

PERSONAL PROJECTS

- **E-commerce Web Application**
 - **Full-stack Application:** Developed a Spring Boot backend and an interactive Vue.js frontend to manage inventory and customer orders. Enhanced communication between frontend and backend via RESTful APIs and assured API security with Spring Security.
 - **Optimized Database Architecture:** Designed a high-performance database system using MySQL for core storage, MyBatis as the ORM layer, and integrated Redis for caching. Streamlined the inventory search feature through the integration of Spring Data Elasticsearch.
 - **Advanced Logging and Monitoring:** Implemented the ELK stack (Elasticsearch, Logstash, Kibana) to streamline log management, improving debugging efficiency and enabling detailed application performance insights.
 - **Test-Driven Development:** Performed unit tests with JUnit for each feature and integration tests for all APIs, reducing code errors and ensuring the functionality of the program.
 - **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**
 - **AI Decision-making Agent:** Created a full-stack Texas Hold'em poker application featuring a deep Q-learning AI agent, providing real-time decision-making assistance to players and increasing game-win probability by 36%.
 - **Flask Backend for Real-time API:** Built a Flask backend that efficiently handles API requests and integrates with the model to deliver real-time AI suggestions.
 - **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:** Containerized the application with Docker and deployed it 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:** Oversaw critical import customs processes and facilitated smooth clearance for international shipments, ensuring compliance with regulations and minimizing delays.
 - **Billing and Issue Resolution:** Handled important billing processes and resolved issues with vendors and customers, maintaining professionalism and fostering positive relationships.
 - **Multilingual Communication:** Utilized proficiency in English, Chinese, and Japanese to effectively communicate and collaborate with customers and team members, ensuring clear and efficient communication.
- **Kenyon College** Gambier, OH
Apprentice Teacher of Chinese 09/2020 – 05/2021
 - **Curriculum Development:** Planned and structured instructional content thoughtfully to align with the educational objectives set by the professor, ensuring successful achievement of teaching goals.
 - **Classroom Management:** Maintained an engaging classroom environment for a group of 10 students over Zoom.
 - **Communication:** Explained difficult Chinese terms and grammar points clearly, fostering an interactive environment by encouraging questions and thoughtful dialogue.