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*

PROGRAMMING SKILLS

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

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.

EXPERIENCE

Kintetsu World Express Chicago, IL
Operations Specialist *07/2022 – 08/2023*
  - **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.

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.