Miaomiao Shi

📱 +353 873614838 ✉ miaomiaos1004@gmail.com ⌂ Berlin, DE
in/miaomiao-s github.com/MiaomiaoShi1004

Profile

Masters computer science graduate with good foundation in programming and software development with strong people skills. Proficient in multiple languages and frameworks, driven by problem-solving, and excels in collaboration within a fast-paced, innovative learning environment. Eager to apply academic knowledge and hands-on experience to deliver impactful software solutions.

Education

MSc Computer Science - GPA 3.43 *University College Dublin*   **Dublin, Ireland** *2022-2024*
Relevant Courses: Python, Java Programming, Swift Programming language, Web Application Development, Software Engineering, Data Analytics, Machine Learning, Distributed Systems,
BSc Finance - GPA 3.8 *Fuzhou University*   **Fuzhou, China** *2018-2022*

Projects

Distributed Library Management System – Microservices-based digital library platform *(link)*
Technology stack: React + JAVA (SpringBoot + SpringCloud) + PostgreSQL + Kafka + Eureka + Docker

- Developed the Message Service utilizing Kafka to manage asynchronous communication and event-driven processes. Configured and maintained message flows for critical library operations, ensuring robust system event handling.

- Designed and implemented the front-end codebase using React, ensuring a user-friendly and interactive interface for the digital library platform.

QuietQuest - Sensory-Sensitive Navigation and Urban Experience Web Application *(link)*
Technology stack: React + Next.js + Django + Firebase + SQLite3 + OpenRouteService + Pytest

- Implemented noise and crowd avoidance routing using OpenRouteService and custom algorithms to assign noise levels to coordinates, providing optimal routes for users with sensory sensitivities.

- Built the front-end with React and Next.js, ensuring quick loading times and smooth performance for a responsive user experience.

Skills

- **Programming languages:** Java, Python, Swift, Dart, Javascript, TypeScript, SQL, Bash Script, HTML, CSS

- **Frameworks:** React, SwiftUI, UIKit, Flutter, React Native, Next.js, Nest.js, Spring Boot

- **Data:** MySQL, PostgreSQL, SwiftData, firebase, MongoDB, AWS RDS, GraphQL

- **Tools:** Docker, Git, AWS, GCP, Docker, RESTful API, Kafka, RabbitMQ, WebSocket, Apache Maven, CI/CD, TDD

Work Experience

Marketing Intern, *(Valeo - Powertrain System)*   **Shanghai, China** *11/2021 - 04/2022*
- Spearheaded weekly data analytics using Python and Excel, refining our sales strategy by assessing market trends and top-selling EV models in Asia.

- Collaborated with OEMs and the marketing team, leveraging data insights for campaign targeting and EV product positioning.

Languages

- **English** [Native]
- **Mandarin** [Native]
- **German** [Intermediate] - B1 (language school in Berlin)
- **Korean** [Fluent]