Miaomiao Shi

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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.

NiceWeather - iOS Weather Forecast Visualization App, *(link)*
Technology stack: SwiftUI, CoreLocation, MVVM design pattern, OpenWeather API

- Developed an iOS application using SwiftUI that fetches and displays real-time weather and air quality information, ensuring an intuitive and user-friendly interface.

Skills

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

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

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

- **Tools:** Docker, Git, AWS, Docker, RESTful API, Kafka, RabbitMQ, WebSocket, Apache Maven

Work Experience

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

- Collaborated closely with the marketing team, leveraging data insights for campaign targeting and product positioning, while also ensuring technical details were accurately reflected in marketing materials.

Languages

- **English** [Native]
- **mandarin** [Native]
- **German** [Basic] - A2 (Attending language school in Berlin)
- **Korean** [Fluent]