Mengyun Xie

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Education

Northeastern University, Seattle, WA
Master of Science in Computer Software Engineering   (**GPA: 3.95**) May 2025
Courses: Data Science Engineering with Python, Program Structure & Algorithms, Operating Systems

Minnan Normal University, Zhangzhou, China
Bachelor of Engineering in Electrical Engineering and Automation
Honors: Outstanding Graduates (Top 5%)

Technical Skill

Languages:	Java, C/C++, Swift, JavaScript/Typescript, Python
Technologies/Frameworks:	Linux, MySQL, SQLite, MongoDB, Realm, Spring, Spring Boot, Rest API, MyBatis, Kafka, Kubernetes, Docker, React, Angular, Vue, Node.js, Express.js, jQuery, HTML, CSS
Tools/Software:	AWS, Google Cloud, Firebase, Nginx, Git, Maven, Jenkins, CI/CD, Agile Methodologies

Work Experience

Software Engineer   April 2018 – July 2019
Sunsea Internet of Things Technology Co., Ltd.   Shenzhen, China
- Led a front-end team of 4 people in the development and design of the Device Management system, resulting in the successful completion of a new IoT management platform
- Participated in the Rest API design of the Device Management System project to achieve smooth interaction logic and perfect functions of the project
- Developed a website for the International market based on Alya Network in the United States, building an advanced "cloud + terminal" IoT ecosystem, driving international business growth

Software Engineer   Aug. 2016 – Mar 2018
Shenzhen Andmobi Technology Co., Ltd.   Shenzhen, China
- Developed Xue Mi Education Management system, and achieved 8% performance improvement
- Developed and designed WeChat Mini Programs of Xue Mi Course System and delivered more than 100+ features, improved the processes for parents to participate in children's learning and education, and increased 10% of new users

Graduate Teaching Assistant   Jan 2024 – May 2024
Northeastern University   Seattle, WA
- Support the professor in organizing and enforcing rules, assisting with individual student cases, and grading assignments and exams
- Assist students in studying, completing classwork, and taking on additional responsibilities as requested

Projects Experience

IoT Device Management Project   April 2018 – July 2019
- Developed an intelligent Internet of Things (IoT) device management system using **React.js, Redux** and **Node.js**, enabling multi-level user device control, network connectivity, device upgrades, and customized instructions
- Participated in the whole project lifecycle, responsible for technology selection and cross-department communication

Twitter Sensitive Analysis Project - Machine Learning   Sept. 2023 – Dec. 2023
- Conducted a comprehensive analysis of Twitter data to help companies gain insights into public opinion about their brands, products, or services for business strategy, market analysis, and social research using **Python, scikit-learn, seaborn, nltk**
- Developed and evaluated machine learning models with hyperparameter tuning, achieving an accuracy of 85% with Logistic Regression, demonstrating the model's efficiency and reliability.

Passerby Diary Project - Full Stack / Microservices   Sept. 2023 – May 2024
- Created a scalable diary website that allows users to create and share their diaries using **React, and Node.js**
- Architected a microservices-architecture back-end system utilizing **Java, Spring Boot**, **Spring Cloud, Netflix Eureka**
- Integrated **MySQL** and **MongoDB** for efficient data storage and retrieval, and employed **Kafka** for real-time data streaming and processing
- Implemented **Docker** for containerization and deployment, and used **Spring Security** and **JWT** for secure user authentication and authorization