

ZHAOXI LI

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Summary — MSc Data Science student at the University of Glasgow with solid back-end development experience. Proficient in Java, Python, and Django. Skilled in algorithms, distributed systems, and building scalable web applications.

Skills

Frame SpringBoot, Django, DRF, MyBatis(Plus),
LangChain
Database MySQL, Redis, Oracle, Elasticsearch

MQ RabbitMQ (proficient)
Big Data Hadoop, Spark, Zookeeper
Tools Git, Docker, Matplotlib

Experience

Shixi Information Technology Co., Ltd.

Jul 2023 – Dec 2023

Backend Development Intern

Smart Archive Retrieval System

- Developed a full-featured backend system using Elasticsearch to support intelligent archive search.
- Integrated Hugging Face models via LangChain and Llama 2 for query understanding and semantic retrieval.
- Built sensitive information recognition module using ML, increasing detection accuracy from 95% to 99%.
- Optimized multi-threaded data synchronization pipeline, reducing processing time by over 90%.

Data Processing Platform

- Constructed data cleaning pipelines for large-scale unstructured data.
- Implemented RESTful APIs for querying and retrieving processed archive metadata.
- Conducted unit tests and wrote internal documentation to support handover and team collaboration.

Education

University of Glasgow

Sep 2024 – Dec 2025

MSc in Data Science

Glasgow, UK

Relevant Courses: Programming; Data Science; Big Data; Machine Learning; Deep Learning; Web Science; Text as Data(NLP)

University of Shanghai for Science and Technology

Sep 2020 – Jun 2024

BSc in Data Science and Big Data Technology

Shanghai, China

Relevant Courses: Programming; Data Science; Big Data; Machine Learning; Deep Learning; Web Science; Text as Data(NLP)

Projects

Electric Vehicle Sharing Platform

Aug 2024 – Oct 2024

Full-stack Developer

GitHub

- Built a Django + DRF-based electric vehicle sharing system with Google Maps integration for real-time vehicle tracking and location selection.
- Designed relational models (User, Vehicle, RentLog, Payment) with Django ORM for data consistency and modular design.
- Used Celery and Redis to implement asynchronous battery updates and rental timers.
- Applied WebSocket for real-time status updates; simulated payment with Redis locks to ensure idempotency.

Movie Recommendation System

Jan 2025 – Feb 2025

Full-stack Developer

GitHub

- Developed a recommendation system backend using Spring Boot, implementing collaborative filtering algorithms for personalized suggestions.
- Managed relational and cached data with MySQL and Redis; handled Excel import/export using Apache POI.
- Secured REST APIs with JWT-based authentication; used Nginx for reverse proxy and load balancing.

Languages

Mandarin (Native), English (Fluent, IELTS 6)

Certifications

- Senior AI Trainer Certification (China)
- Shanghai Level-4 in Big Data and Cloud Computing