# **JIAQI YAN**

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#### **EDUCATION**

MSc. Social Computing, Xi'an Jiaotong-Liverpool University

**Sep 2022 – Apr 2024 (Excepted)** 

Notable Modules: Data Mining and Big Data Analytics, Social Network Analysis, Cloud Computing

**BEng. Internet of Things**, Dalian Neusoft University of Information

Sep 2017 – Jun 2021

Notable Achievements: Ranking 10/122 in major, won Third Prize Scholarship; Merit Student; Excellent Teaching Assistant

## **EXPERIENCES**

# Research Assistant, Xi'an Jiaotong-Liverpool University

Oct 2022 – Present

- The collaborative work of heritage: Dataware as a means to support articulation work of abstract heritage data
- Conducting cultural heritage data collection and cleaning, selecting NLP model to extract text data as triadic relationship

#### Apache ShardingShpere, OpenSource Contributer

Apr 2022 – Present

- Optimize the native parsing of 40+ SQL syntax in Oracle, PostgreSQL, OpenGauss in ShardingShper SQL Parser Engine
- Use Antlr 4 to parse the SQL statement into an abstract syntax tree, add test cases to ensure its accuracy
- Fix SQL parser bugs, improve test coverage and update official documentation

#### Cisco, Software Engineer, Intern

Apr 2022 - Jun 2022

Related Tech: Spring Boot, Spring Security, Python Scripts, Low-Code Platform

- Created a dialogue bot for user-friendly to operate the client system directly through the Instant Messaging Software WebEx
- Communicated with the Low-Code Bot Platform team, designed bot dialogue logic (e.g., intents, actions) and display
- Developed new permission and RESTful APIs for bot, completed query, approval, and download contract operations
- Wrote Python scripts to format received JSON data and populated the Adaptive card for display

## IBM, Application Developer, Regular

Jul 2021 - Jan 2022

- Assisted in the establishment of new projects and completed part of the project management work
- Communicated with overseas colleagues to complete data collection and collation work
- Used automated Low-Code tool to substitute manual test efficiency, improved testing efficiency by 50%

#### Kingland, Software Engineer, Intern

Sep 2020 - Apr 2021

Related Tech: Spring Boot, MyBatis, PostgreSQL, Angular, AWS Service, Jenkins

- Independently responsible for the workflow of employee promotions and linking to the performance module of the HR system.
- Designed page layout, database table structure, and 20+ APIs for 200+ staff to apply, update, send, and complete promotion
- Integrated AWS features for timed tasks, monitoring, password security function and deployed, tested the functions
- Used Jira and Github for Agile development, resolved 20+ bugs/requirements, performed tests and wrote release documentation

# SKILLS

**Languages**: Chinese: native, English: CET-6, working proficiency

**Programming**: Competent in Java, knowledge and experience in C, Python, SQL, etc

Other Tools: Cloud Service using experience, Linux, Low-Code/No-Code Platform, Git, Markdown & Latex

**Technology Preference**: Infrastructure Software (e.g. SQL parser engine in database system)

#### **ACTIVITIES**

- 2022 Open Source Promotion Plan mentee: Solved unsupported Oracle SOL for ShardingSphere Parser (passed final review)
- 2022 Spring Forward with her Program mentee: Shared and communicated with STEM girls (40% acceptance rate)
- 2021 IBM AI Initiation Activity Volunteer: Conducted STEM course clarification for primary and middle students

Update: 02/04/2023