Xiaojing Wang

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Portfolio: https://xiaojing-lucky.github.io/

CAREER SUMMARY

Results-driven Data Analyst /Data Engineer with hands-on experience in designing, building, and automating scalable **data pipelines** and **ELT workflows.** Proficient in **Python, SQL, and AWS,** with strong expertise in **Snowflake, dbt, and Airflow** for modern data stack development. Skilled in integrating **RESTful APIs, EDI, and NetSuite** for seamless data flow across enterprise systems. Adept at data modeling, database optimization, and dashboard development, transforming raw data into actionable business insights. Passionate about improving pipeline reliability, resolving complex data challenges, and collaborating cross-functionally to enable data-driven decision-making.

TECHNICAL SKILLS

- **Programming & Scripting**: Python, SQL, Java, JavaScript, PHP
- **Data Engineering**: ETL, Data Warehousing, Data Modeling, Pipeline Automation
- **Databases & Cloud**: MongoDB, MySQL, AWS (RDS, S3, Redshift), Snowflake
- **Big Data & Analytics**: Power BI, Google Analytics, Spark, Hadoop
- **APIs & Integration**: REST API, SOAP API, EDI (AS2, SFTP), NetSuite
- **Tools & Platforms**: Linux, Docker, Git

WORK EXPERIENCE

Karat by Lollicup INC.   DFW, U.S.

Data Analyst – Snowflake, dbt, and Airflow, NetSuite, Power BI   Aug 2022-Jan 2025

- Designed and implemented **automated ETL pipelines**, optimizing data ingestion from multiple sources (EDI, APIs, databases) into NetSuite and internal reporting systems.
- Built an end-to-end e-commerce data pipeline using **Snowflake, dbt, and Airflow** to automate transformations and alerting for delayed shipments.
- Built and optimized **RESTful APIs** to integrate transactional data between NetSuite and internal systems, ensuring data accuracy and consistency.
- Developed interactive **Power BI dashboards**, enabling real-time insights into business operations and trends.

Wuhan Yuanguang Science & Technology Co., Ltd.   Wuhan, China

Data Specialist– Excel, SQL, , Data Modeling   Jan 2018-Apr 2019

- Conducted in-depth **data analysis and modeling** to optimize urban bus route efficiency across multiple cities.
- Led a **team of three** in implementing **algorithmic models** to improve the accuracy of public transportation data.
- Designed and maintained **relational databases**, ensuring seamless data integration and reporting.

PROJECT EXPERIENCE

User Management System– Node.js, MongoDB, REST API, AWS, Python
https://github.com/Xiaojing-Lucky/User_management

- Dveloped a scalable user management system using **Node.js** and **MongoDB**, ensuring efficient user authentication, authorization, and role management.

- Designed **RESTful APIs** to perform **CRUD operations**, optimizing query performance and ensuring data integrity.
- **Implemented event-driven logging** to track user actions and stored logs in a **MongoDB-based data lake**, enabling behavioral analysis.

Photo-Album Using PHP and MySQL – PHP, AWS, MySQL, HTML, CSS
- Built a **photo-sharing platform** with secure user authentication and AWS-based storage solutions.

AI-Chatbot – Google AI APIs, emoji selection API, JavaScript
- **Built an interactive AI chatbot** leveraging **Google AI APIs** and JavaScript, integrating API-driven message handling, emoji selection, and file uploads to streamline user interaction and data flow between front-end and AI services.

RESEARCH EXPERIENCE

Research Assistant (Professor: Dr. Kathy Lee)   *Mar 2021-Jan 2022*
- Analyzed large datasets on dementia patients and caregivers, using **SQL and Python** to derive key behavioral insights.
- CoPartnered with aging organizations across the U.S. to **optimize data-driven decision-making** in support programs.

EDUCATION

Master of Science in Computer Science   *May 2022*
The University of Texas at Arlington, TX, U.S.
Bachelor of Engineering in Software Engineering   *Jul 2017*
Minor in Accounting
Xi'an University of Finance and Economics, Xi'an, Shaanxi, China
Academic English Program   *May 2020*
The University of Texas at Austin, TX, U.S.