

Qi (Lydia) Zhao

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SUMMARY

Experienced Business Analytics professional with demonstrated ability and rich experience of solving data analytics puzzles in ambiguous environments. Highly passionate about **Business Intelligence, Data Analytics and Big Data**. 2+ years of professional experience in Internet, Finance and Marketing industries.

Key proficiencies include:

SQL, Python, Apache Spark, PySpark, Tableau, AWS, Hadoop, Alteryx, R, SPSS, SSRS, SAP ERP

Interested Areas: Big Data, Data Mining, Machine Learning, Data Visualization, Marketing Analytics

CERTIFICATIONS

- AWS Certified Cloud Practitioner
- Tableau Desktop Specialist
- Google Analytics for Business
- AWS Certified Big Data
- SAP Student Recognition Certificate
- Applied Analytics using SAS Enterprise Miner

WORK EXPERIENCE

Data Analyst Consultant (Contract)

Bank of China – New York, NY

July 2020 to Present

- Led bank's Model Risk Management team to validate bank's Transaction Monitoring Compliance Model including reassessing model design soundness, data input control, and risk governance; Examined bank's data Extraction, Transformation and Loading (ETL) design and implementation by performing Functional testing, Data Completeness & Integrity testing in Oracle SQL server using Advanced SQL
- Performed highly statistical Model validation by rebuilding IR/FX Swaps Pricing Models and conducting Quantitative Analysis for bank's billions of US Dollar value financial instruments; Independently initiated testing on input data quality, sensitivity, implementation, accuracy, model results, controls and reporting procedures
- Developed deep understanding of data and translated business requirements into data analysis requirements around data modeling, testing platforms, data visualization, and data architecture

Environment: SQL, Python, Advanced Excel

Advisory Consultant

Deloitte LLP — New York, NY

Sep 2019 to June 2020

- Performed complex analysis to identify \$60k opportunities for a top tier law firm client by collaborating with Data Engineering team in pursuit of better data modeling using SQL and Tableau
- Automated and improved data analysis processes by more than 30% by identifying new capabilities and optimizing aggregation of large scale of data, identifying key metrics, which impacted over 20 large-size clients
- Worked seamlessly with international teams to create ad-hoc SSRS reports to support key business decisions
- Analyzed over 3 million transactional data to identify and remediate risks for a \$4 billion bank client by performing model validation for the client's Anti-money Laundering (AML) model using SQL
- Increased model mapping accuracy by 8% through redesigning and regenerating database algorithms in Oracle SQL Server; Detected and assessed 10 data quality issues based on pre-defined business logic of the bank

Environment: SQL, Tableau, R

EDUCATION

- **William and Mary, Raymond A. Mason School of Business** (GPA 3.88) May 2019
Master of Science, Business Analytics
Honor: E&G Scholarship
- **University of Southern California, Marshall School of Business** (GPA 3.54) May 2018
Bachelor of Science, Business Administration; Minor in Enterprise Information Systems
Honor: Marshall Scholarship

