

Kuo Liang

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HIGHLIGHTS

- Graduate student in management and system specializing in database technologies with internship experiences in Technology, Finance and Consulting.
- Experienced in extracting business insights through technical approaches such as hypothesis testing, data engineering, and data analysis.
- Skilled in communicating with both technical and non-technical business stakeholders using data visualization and storytelling.

TECHNICAL

Programming Languages: Python, SQL, HTML, JavaScript

Data Science & Analytics: ETL, Data pipeline (Cleansing, Wrangling, Modeling, Visualization, Interpretation)
Statistics, Tableau

EDUCATION

Master in Management and Systems (STEM), Concentration on Database Technologies **NEW YORK, NY**
New York University Completion Date: June 2024

- GPA: 3.83
- **Relevant Coursework:** Database Design & Management, Database Technologies for Web, Database Design & Management, Data Mining and Data Warehousing, Data Process and Structure, Advanced Database Application, Financial Management, Information Technology & Data Analytics

Bachelor of Science Major in Mathematics & Economics
University of Toronto - St. George Campus

TORONTO, ON
Completion Date: June 2022

WORK EXPERIENCE

Fintelics

Business Data Analyst

Remote -Toronto

OCT 2020-DEC 2020

- Utilized quantitative and qualitative approaches, including the SWOT framework and historical data analysis to provide data-driven recommendations.
- Increased market share by 4% through gap analysis, proposing process improvements, and documenting business requirements, user stories, and test cases.
- Designed and executed A/B testing for a website UX design feature prototype, resulting in a significant 10% increase in the conversion rate.
- Achieved a 15% improvement in productivity by automating stock data retrieval processes using Python
- Provided actionable insights on client credit risk by visualizing correlations among risks using Python, analyzing eight different factors.

Morgan Stanley

Marketing Research Analyst

Remote -Shanghai

SEP 2021-OCT 2021

- Led a due diligence initiative by collecting historical mutual fund performance data and analyzing financial statements for liabilities using the WIND platform.
- Generated valuable insights by identifying future development trends in the mainland China mutual fund market, including market size, investment opportunities, and risks.

SELECTED DATA PROJECTS

Data Modeling Project

New York University, NY

- Created an end-to-end data model in an Oracle database to efficiently store 10,000 rows of Shark Tank data sourced from Kaggle.
- Developed and executed a comprehensive data strategy encompassing data cleansing, the construction of a scalable schema design, and data loading using SQL Loader.
- Designed and built an interactive visualization in Tableau to analyze correlations involving success rates and various factors, such as industry type, bidding price, and personal preferences.

Financial Data Analysis

New York University, NY

- Gathered 20,000 rows of raw data from diverse sources, including IMDB, Rotten Tomatoes, and others, utilizing web scraping technology.
- Delivered pricing strategy recommendations by conducting financial and competitor analyses, leveraging income statements, cashflow statements, balance sheets, and the SWOT framework.
- Developed a predictive financial model to estimate the breakeven point based on historical financial data, incorporating fixed costs and variable costs under various scenarios.

PERSONAL

Fluent in Mandarin and English. Enjoy squash, fencing, swimming and skiing. Independent travel to more than 9 countries.