Xin Yu (Jason) Jiang

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Data Analysis Skills

- Develop and maintain compelling data visualizations and dashboards using data from different sources.
- Data wrangle datasets into more readily used formats (merging, purging, detecting outliers).
- Identify, analyze, and interpret trends or patterns in complex data.
- Write complex queries and use SQL as an investigative tool.

Amazon Web Services: EC2, S3, OpenSearch (*Elasticsearch, Kibana*)

Data Manipulation: Python (*numpy, pandas*)

Data Visualization: Python (*matplotlib, plotly, seaborn*), Tableau

Database Management: Oracle (*PL/SQL*), Microsoft SQL Server (*T-SQL*), Microsoft Access (*SQL*)

Machine Learning/ Data Mining: Classification (*Decision Trees, Naive Bayes, Logistic Regression, Neural Networks*), Clustering (*K-means, Hierarchical*), Python (*scikit-learn*)

Others: Docker, GitHub, Microsoft 365 (*Outlook, Teams, Excel: VLOOKUP, INDEX MATCH ...*), Streamlit.io, Ahrefs, SEMrush, Google Analytics, Google Search Console, Screaming Frog

Work Experience

NYC Department of Social Services   New York, NY
Technical Business Analyst Intern   *Mar 2022 — Aug 2022 ⋄ 6mos.*

- Updated and maintained NYC Open Data datasets provided by Human Resources Administration, reinforcing data integrity.
- Implemented SOP and documentation of procedures for monthly reports, improving completion time by 40%.
- Conducted ad hoc analysis and interagency data matches as needed – independently and collaboratively.
- Ran quality control checks and verified source file data consistency.

Improove, Inc.   New York, NY | Remote
Junior Project Associate   *Jul 2019 — Aug 2021 ⋄ 2yrs. 2mos.*

- Refined internal page speed measurement tool and automated tracking of Google Core Web Vitals.
- Advised on technical audits of client sites, improving overall average page speed of each site by at least 10%.
- Automated reports using Google Data Studio, creating dashboards to support managers in end of month deliverables.
- Collaborated with an international, multicultural team on a variety of projects spanning multiple industries.

Marco Media   Brooklyn, NY
Digital Marketing Intern   *Sep 2018 — Jul 2019 ⋄ 11mos.*

- Spearheaded SEO strategies focusing on content optimization and content consolidation.
- Contributed to the development of technical SEO strategies regarding crawlability, indexing, and page structure.
- Resolved website issues related to: lazy-loading, 301 re-directions, and minification of large JS and CSS files.
- Responsible for keyword research and analysis to improve client sites' content and Domain Authority.

Projects

Covid-19 Dashboard   ⚲ *See Project*

Created an interactive dashboard of coronavirus infection and vaccination rates by data wrangling regularly maintained, professional datasets from public github repositories.

Exploratory Data Analysis of a South German Bank   ⚲ *See Project*

Broke down and analyzed clientele by age, citizenship, and housing type using a variety of charts and graphs to determine the factor most strongly correlated with good credit ratings.

Backtesting Investment Strategies   ⚲ *See Project*

Obtained historical data of SPDR Dow Jones Industrial Average ETF using the yfiance Python library – to backtest an active simple moving averages strategy against passive buy and hold.

Education

Baruch College, Zicklin School of Business   New York, NY
M.S. Information Systems; Concentration in Data Analytics   *Expected Graduation: May 2023*
Current Cumulative GPA: 3.7/4.0

NYU Tandon School of Engineering   Brooklyn, NY
B.S. Integrated Digital Media   *May 2019*