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Professional Experience

NYC Department of Social Services

New York, NY

Technical Business Analyst Intern

Feb 2022 — Present

- Updated and maintained various NYC Open Data datasets, assuring adherence to respective data dictionary rules.
- Leveraged SQL and wrote complex queries to investigate and retrieve information from data warehouse for ad hoc analysis.
- Implemented SOP and documentation of procedures for monthly and quarterly reports, improving completion time by 40%.
- Created templated excel workbooks to streamline monthly management reporting and support policy decision-making.

Improve, 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 webpage 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 yfinance Python library – to backtest an active simple moving averages strategy against passive buy and hold.

Technical 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).
- Write complex queries and use SQL as an investigative tool.

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

Data Manipulation: Python (*numpy*, *pandas*, *pyspark*, *scikit-learn*)

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

Database Management: Oracle Enterprise Data Warehouse, Microsoft SQL Server (*T-SQL*), Microsoft Access (*SQL*)

Others: Docker, GitHub, Microsoft 365 (*Outlook*, *Teams*, *Excel*: *VLOOKUP*, *INDEX MATCH*, *Pivot Table* ...), Streamlit.io, Google Analytics, Screaming Frog

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