

BRANDON MCNEIL

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SKILLS

PROGRAM LANGUAGES: SQL, Python, T-SQL, HTML

MACHINE LEARNING: Regression, Classification, Natural Language Processing, Recommender Systems

DATA STORAGE: SQL SSMS, PosGres, MongoDB, Salesforce

DATA VISUALIZATION: Power BI, ArcGIS, Matplotlib, Seaborn, Streamlit, Metabase

OTHER: Github, Docker

EXPERIENCE

Metis Data Science Bootcamp

Student · Mar. 2021 to June 2021

Attended a 10-week immersive data science bootcamp focused on project-oriented skill-building in Python, statistical modeling, database management, and supervised & unsupervised machine learning.

Selected Project Highlights:

- **Crowdsourcing Skincare User Reviews for a Recommendation System:** Performed NLP analysis and NMF/SVD Topic Modeling on web-scraped product user reviews to create an interactive web-app that takes in a user's comments and recommends a product based on comment similarity.
- **Predicting Professional Horse Racing Results:** Applied race stats and feature engineered stats to a Random Forest classification model in order to obtain the probability of a horse's chances of placing within first, second, or third in a given race.
- **Analyzing Cryptocurrency Prices in Relation to Tweets:** Built an end-to-end data pipeline utilizing Twitter and Coinbase's APIs to build a priority database and display data in a dynamic web-app.

Vestwell

Operations Business Analyst · May 2020 to Mar. 2021 · New York, New York

- Engineered automated Python based ETL data solutions.
- Designed complex SQL queries & Python scripts to identify data inconsistencies, and address ad-hoc reporting requests.
- Developed dashboards via Metabase for proactive alerts to increase the Operation team's performance.
- Collaborated with the Development team to help maintain API integrations and pinpoint issues in existing code.
- Project managed all client integration processes and activities; ranging from new partner documentation to client deactivation.

New York City's Department of Sanitation

Data Analyst · Apr. 2016 to May 2020 · New York, New York

- Maintained and expanded the Bureau's database stored in SQL SSMS by consolidating disparate data sources using data extract, transform and load processes.
- Fulfilled ad-hoc requests by creating complex queries in SQL to ensure quick turnaround for C-Suite level staff.
- Built new data solutions devoted to automating daily business operations for the Bureau utilizing SQL SSIS and/or SSMS.
- Produced quarterly, monthly and ad-hoc performance reports and budget projections using Power BI that were provided to executive staff and bureau commissioner for review in tracking mayoral sustainability initiatives.
- Collaborated with software engineer managers to map and document data flows, acting as a liaison for the end users, to develop and optimize the Bureau's data processes.
- Oversaw part-time staff by providing training on report production and geospatial analysis.

EDUCATION

SUNY New Paltz · Aug. 2011 to Aug. 2015

BA Degree in History