Mark Dowicz

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SKILLS AND INTERESTS

Skills: SQL, Python, GitHub, Pandas, Numpy, Scikit-learn, NLTK, Seaborn, Matplotlib, Web Scraping, NLP, Regression and Classification Methods, Supervised and Unsupervised Learning, Neural Networks, Bayesian Statistics, Data Visualization, Tableau and Advanced Microsoft Excel (V-LookUps, PivotTables)

WORK EXPERIENCE

CT Spa Group   **Westport, CT**
Freelance Data Engineer   *August 2021 - Present*
- Engineered a user-friendly payroll application in Python to automate the payroll process, reducing human error and minimizing manager time spent by 95%.
- Developed an automated tracking system for client leads to budget for future digital marketing campaigns.
- Created dashboards in Tableau to analyze KPIs for

General Assembly   **New York, NY**
Data Science Immersive Student   *February 2021 – May 2021*
- Sharpened existing SQL and Python skills over the course of 12-weeks to efficiently query, clean and transform data.
- Visualized, analyzed, and modeled massive datasets to derive deep statistical insights and convey results to technical and non-technical audiences alike.
- Capstone: Constructed a recommender system designed to predict the movie a user describes in their own words. This model was trained on a collection of over 10,000 movies scraped from the IMDb website using BeautifulSoup.
- Housing Prices: Mined housing data and developed a linear regression model that scored 3rd on unseen testing-data in a program wide Kaggle competition.
- Children Mental Health: Collected behavioral data to evaluate and classify unhappy children with 82% recall using a random forest classifier.
- Reddit Classification: Created and deployed a logistic regression model capable of classifying posts on Reddit with 80% accuracy.

The Windham Group   **New York, NY**
Data Analyst - Natural Gas Specialist   *July 2017 – February 2021*
- Gathered data from multiple sources to create and distribute daily market commentary reports on natural gas futures that analyzed complex market data, options activity, and weather patterns.
- Used advanced Excel functions to quickly analyze and visualize various aspects of the natural gas market for clients on an ad-hoc basis.
- Collaborated with clients to manage their risk and existing energy positions.
- Placed futures and options trades on energy contracts, generating approximately 30% of the firm's annual contract commission.
- Provided and worked with contacts that automated the balancing of personalized client equity reports.

Melkonian Capital Management   **New York, NY**
Analyst Intern   *June 2016 – August 2016*
- Prepared and presented a real-estate comparable analysis on The Ritz Carlton, Grand Cayman to the firm's executives.
- Directly assisted associates with the fundamental analysis of prospect companies.

EDUCATION & LICENSING

Gettysburg College   **Gettysburg, PA**
Bachelor of Arts, Economics Major, Business Minor   *May 2017*

FINRA, Series 3   **New York, NY**