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Skills

DATA TOOLS

Pandas

NumPy

Scikit-learn

BeautifulSoup

spaCy

Dask

H3

Geopandas

TensorFlow

Sqlalchemy

Python

DATABASES

SQL

MongoDB

Postgres

DATA VISUALIZATION

Matplotlib

Seaborn

Bokeh

Tableau

OTHER

Google Cloud Platform

AWS

Bash/CLI

HTML/CSS

MACHINE LEARNING

Linear Regression

Classification

Natural Language Processing

Clustering

Web Scraping

Model Validation

Neural Networks

Education

New York University

Bachelor of Arts

Economics 2012

Minor Web Programming

and Applications

Experience

Metis

Data Scientist

June 2020 to Sept. 2020

- Completed 12- week immersive data science boot camp with ACCET accredited program
- Curriculum focused on statistical modeling, data visualization and machine learning techniques in Python
- Designed and built end-to-end projects. Presented findings to peers and instructors; see project section

Indigo Joe

Operations / Business Development

New York, New York

2013 to 2020

- Led in planning and execution of annual operational plan for New York based brand and manufacturer of apparel with staff of 10
- Transformed company from online only, direct to consumer brand to include partnerships with mid-market retailers, independent boutiques and international distributors. New partnerships grew to 50% of revenue
- Set up and maintained Shopify e-commerce store and Amazon Seller Central product listings. Oversaw daily order fulfillment ensuring high level of customer satisfaction
- Worked with product designer to develop new product concepts for product line with 5M+ in lifetime sales
- Streamlined manufacturing, warehousing and fulfillment processes reducing inventory and operating costs

L'Oreal

Kiehl's Division Financial Intern

New York

2012 to 2013

- Updated and maintained multi-channel P&L. Used as main scorecard of company performance
- Monitored and controlled company Advertising and Promotion spend worth \$15M
- Created financial model to manage profitability for company's 60 retail stores
- Assisted in preparation of month end reporting to be presented to CEO
- Created macros and wrote VBA scrips to ensure accuracy and reduce time spent on month end reporting

Data Science Projects

Forecasting for Fantasy Birding

- Developed convolutional neural network to forecast expected number of recorded bird observations at 4,000 geographic locations
- Built pipeline and leveraged distributed computing to process and perform geospatial indexing on 100M+ observation points
- Mapped geographic data to visualize data processing as well as top birding locations
- Tools: Keras, TensorFlow, Dask, H3, Geopandas, Seaborn, Pandas, NumPy

What Does the IRA Tweet About?

- Processed and tokenized 1.5M tweets that were flagged as being part of a disinformation campaign from Russia's Internet Research Agency
- Performed topic modeling to characterize topics promoted by Russian accounts
- Used tSNE clustering to visualize groupings of IRA Twitter accounts and displayed on interactive chart
- Tools: Bokeh, scikit-learn, NumPy, Pandas, NLTK, spaCy

Targeting Food Insecurity

- Created random forest classification model to predict if a US census tract should be classified as a food desert
- Used Postgres database to store and manage USDA dataset and data pulled from census.gov API
- Mapped at risk areas in NYC in relation to supermarkets and areas covered by local government initiatives
- Tools: scikit-learn, Pandas, Postgres, Geopandas, Seaborn, sqlalchemy

Beautiful Cycle Soup

- Built linear regression model to predicted motorcycle prices
- Scraped cyclesoup.com to create dataset with motorcycle information and pricing
- Tools: Python, BeautifulSoup, Requests, scikit-learn, Pandas, Matplotlib, Seaborn