JACKSON HONIS   DATA SCIENTIST

✉ jackson.honis@gmail.com   📍 Brooklyn, NY, 11206   in www.linkedin.com/in/j-h1/   ⌂ jahonis123

SKILLS

PROGRAMMING LANGUAGES: Python, SQL, HTML, CSS, Javascript
PYTHON PACKAGES: Pandas, Numpy, Sklearn, BeautifulSoup/Selenium, Flask, Seaborn, Math, RegEx, Spacy, Nltk, Gensim, StatsModels, Matplotlib
TOOLS: Tableau, Mongodb, AWS, Google Cloud
MACHINE LEARNING: Linear Regression, Logistic Regression, Decision Tree, Random Forest, K Nearest Neighbors, Naive Bayes, Xgboost, Kmeans, Dbscan, Dimensionality Reduction

EXPERIENCE

Metis
Data Scientist · Mar. 2020 to June 2020 · New York, NY
- 12 week immersive bootcamp implementing project based learning to reinforce key data science skills and understanding of concepts; completing and presenting projects curated uniquely by each data scientist to identify and explore problems that can be addressed by the collection and interpretation of data
- Using python, machine learning, tableau, flask, pandas, numpy, sql, mongodb, and various other tools to solve challenging programming and mathematical problems
- See project section

Skanska
Senior Project Engineer · June 2016 to Mar. 2020 · New York, NY
- Identified contractual risks and implemented mitigation measures on the $4bn LaGuardia Airport Central Terminal Building program by analyzing key performance metrics and drafting change orders and correspondence
- Organized and drove the processes for the turnover of the $1bn Headhouse project on the LaGuardia Airport Central Terminal Building program
- Utilized takeoff, industry knowledge, and subcontractor solicitation to perform cost estimation to assist on proposals for projects totaling $250m

N.K. Bhandari Architecture and Engineering
Engineering Intern · Oct. 2015 to May 2016 · Syracuse, NY
- Performed takeoff to drive project estimates for project proposals
- Applied ASTM standards to design and modify steel-framed components in buildings
- Utilized design software to modify shop drawings of structural components in steel-framed buildings

PROJECTS

Spotify Artist Collaboration Application
- Built a recommender system based on collaborative filtering to suggest musician collaboration candidates for an artist of one's choosing
- Used the Spotify and Last.fm APIs to gather data to use for the recommender app
- Generated an application, using Flask and CSS to create the interface

A Comparative Analysis with NLP
- Performed Natural Language Processing techniques such as tokenization, word vectorization and sentiment analysis to compare a manually translated version of "100 Years of Solitude" to a Google Translated version from Spanish to English
- Implemented requests and beautifulsoup to scrape the Spanish and English versions of the novel from the web. Then, used the Google Translate API to convert the Spanish version to English
- Used Tableau to identify insights into the similarities and differences in the texts, such as the character interaction throughout the novel and the range of sentiment between the manually and machine translated texts

Predicting Financial Settlements
- Built a model to predict the likelihood of a financial complaint resulting in a financial settlement
- Gathered consumer complaint data from the Consumer Financial Protection Bureau that detailed financial complaints, their associated companies, the product that the complaint refers to, and the complaint resolution
- Used use zip code and pandas to join location data to assist in the iterative machine learning classification modeling to better understand what complaints were resolved through financial settlement
- Implemented and compared the performance of various models, choosing both Xgboost for its predictive capabilities and Decision Tree for its interpretability

EDUCATION

Syracuse University
B.S. Civil Engineering 2016