Isaiah Hong

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New York City, NY

Education

Baruch College - Zicklin School of Business, CUNY New York, NY
Bachelor of Business Administration, Statistics and Quantitative Modeling Expected Spring 2021

Relevant Courses: Statistics, Forecasting and Regression, Probability and Theory, Database Management, Operations Research, Data Mining for Business Analytics

Skills

Languages: Python, R, SQL
Tools/Technologies: Git/Github, Python Libraries (Scikit-learn, Pandas, Numpy, Seaborn), SQL Developer, Google Cloud, BigQuery, Tableau, Linux

Relevant Experience

CUNY Tech Prep, Data Science Fellow
June 2020 – Present
- Selected for a technical training program, as one of 183 students out of 400+ applicants
- Learn in-demand technologies like Python 3, Jupyter Notebooks, Pandas, Numpy, Scikit-learn, PyTorch, and SQL as well as industry best practices for exploratory data analysis (EDA), feature engineering, data collection and processing, statistical modeling, data visualization, machine learning techniques, data science process, and big data
- Collaborating with a team to build out visualizations of COVID-19 trend across the United States using GCP BigQuery and data studio.

NYC Human Resources Administration, Programmer Analyst Intern
June 2020 - Present
- Worked closely with the enterprise data warehouse to aid in writing SQL queries and creating reports.
- Assisted in maintaining ad-hoc analysis weekly reports for Home Care Services and Career Services using ETL packages in MSSQL Server Integration and SQL Developer
- Completed summary dash boards and weekly reporting using SQL Developer and MS Excel pivot tables for COVID-19 Cash Assistance social services.

Kwant.ai, Data Science Intern
July 2019 - August 2019
- Implemented RESTApi for the construction activity dashboard that labels all activities based on a universal construction cost codes from PostgreSQL database.
- Updated the company's data preprocessing methods including lemmatization, tokenization, and removal of special characters in Python.
- Analyzed and summarized schedule data sets in Tableau to identify historical trends in construction project delays.

Projects

COVID-19 Dash-Board
Nov 2020 - Dec 2020
- Utilized Google Cloud Platform to run SQL queries to join COVID-19 data tables from databases maintained by the New York Times and John Hopkins University.
- Analyzed and visualized datasets regarding mask usage, intl. airport, college cases and their relationship with case growth using the Python Dash Plotly front-end framework.
- Worked in a team of two people and communicated the results of our analysis in front of an audience of more than thirty participants for a demo night.