Mitchell Fairweather

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https://github.com/mitchfwx
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Education

B.S. Finance, Business Analytics
Miami University
August 2017 - May 2021
Oxford, OH
Summa Cum Laude
GPA: 3.99

Skills

Alteryx
Tableau
SQL
Python (Pandas, Selenium, Scikit-Learn)
Jupyter Notebook
SAP
R (Markdown, dplyr, ggplot, caret)
PowerBI
Time Series Forecasting
Market Basket Analysis
Sentiment Analysis

Interests

Music
Running
Technology

Work Experience

JP Morgan Chase - Columbus, OH

Data Visualization Developer - 10/2023 to Present

- Responsible for the design, development, maintenance, and testing of end to end data visualization solutions, including both the Tableau and Alteryx components.
- Collaborate with cross functional stakeholders to understand their current processes and create intelligent data visualization solutions to automate manual tasks.
- Optimize existing Alteryx workflows that support production dashboards, resulting in a 50% reduction in memory usage.
- Liaise with MIS teams to prepare production solutions for movement of data sources to the cloud and ensure overall strategy aligns with end user requirements.

KPMG - Columbus, OH

Advisory, SAP Security and Controls - 06/2021 to 10/2023

- Designed and implemented security and control environments for SAP ERP systems for multinational companies across a variety of industries.
- Coordinated with team members to design an auditable workflow that automated the aggregation of data from 15+ sources and generated individualized review packets to review highly sensitive and potentially dangerous activities.
- Developed a suite of python based automation tools accessible through a Kivy based GUI. Targeted highly manual and time consuming build activities that reduced manual build hours by 80%.

Center for Analytics and Data Science - Oxford, OH

Student Fellow - 09/2019 - 05/2021

Chemometrics Project for Miami University Chemistry Dept.

- Reduced the screening process of 70,000+ potential inhibitors by over 90% through the application of deep learning and machine learning models to the study of beta-lactamase inhibitors, a promising area of research for treating antibiotic resistance bacteria.
- Received funding from the NIH to continue research and in the process of publication due to discovery of a new novel compound.

Projects

Sentiment Analysis with Scraped Obituaries

- Developed python scripts to extract over 27,000 obituaries from a local publication's website.
- Implemented NLP vectorization, Lemmatization, VADER sentiment model, and KMeans clustering to identify overall sentiment of a person's obituary.

Identification of Malware with Source Code

- Designed and implemented image recognition deep learning algorithms, achieving an accuracy of .90 when classifying a program as malware based on the program's