Nah Wei Jie

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Summary

I am looking to integrate my data analytics and problem-solving skills to deliver value and insights to audiences both technical and non-technical. Being meticulous and methodological in my approach to work, I also have prior experience in areas like Business Intelligence, e-commerce, sales and marketing. Intrigued by the importance of data and to further my understanding of the field of Data Science, I picked up a few programming languages (SQL, Python) and immersed myself in the Data Science Immersive Course by General Assembly. Throughout the course, I have been applying what I have learned through projects.

Work Experience

Business Intelligence Analyst

ACCSS Digital | 2021 - 2022

- Conducted various analyses (Competitor Analysis, Sentiment Analysis) using an in-house platform to generate dashboards and reports for companies

Time-Series Analysis | Sentiment Analysis | Market Segmentation | Data Visualization

Sales and Marketing Executive

IDEARE Singapore | 2019 - 2020

- Monitor and analyse inventory movement to forecast, determine and advise the warehouse on the optimal inventory, doubling the accuracy of logistical functions from 14 days to 7 days
- Summarized and compiled quarterly financial reports into dashboards for reporting to stakeholders
- Managed execution of marketing campaigns and the analyses of campaign performance in both offline and online channels

Data collection | Data Analysis | Microsoft Office | Data Visualization

IT Project Management Intern

The Ascott Limited | 2016

- Coordinated proof of concept (POC) meetings with internal and external stakeholders/vendors for hospitality technology solutions
- Conducted User Acceptance Tests (UAT) and surveys for cross-department staff for feedback on various technology solutions
- Analysed UATs and surveys to generate reports on user behaviour and improvements on various solutions deployed in the company
- Programmed rule sets using SQL and Outlook on the company's e-mail server's end of day logs, reducing total log volume by 30% and fully automating the sorting process

Data collection | Data Analysis | SQL | Microsoft Office |

Education

Data Science Immersive

General Assembly | 2021-2022

Business Information Technology

Ngee Ann Polytechnic | 2014-2017

Technical Skills

- Programming Languages (Python / SQL)
- Database Management (PostgreSQL)
- Machine Learning Libraries (Pandas | Scikit-Learn | TensorFlow | Keras)
- Data Visualization (Tableau | Seaborn |Matplotlib)

Projects

Capstone

General Assembly· 2021 - Present

- Performed Web-scraping using APIs for image data collection
- Using Deep Learning Neural Networks to explore Automatic Number Plate Recognition (ANPR) using Optical Character Recognition (OCR) for classification
- Summarized findings and presented to various stakeholders

Web Scraping | APIs | Python | Sklearn | Seaborn/ Matplotlib | Neural Networks | OCR | Multi-class Classification

Predicting West Nile Virus

General Assembly· 2021 - Present

- Performed Time-Series Analysis and modelling using a range of classifiers to predict outbreaks of West Nile Virus, based on an imbalanced dataset.
- Summarized findings and presented to various stakeholders both technical and non-technical

Python | Sklearn | Pandas| Seaborn/ Matplotlib | Time-series Analysis| Binary Classification

Subreddit Post Classification

General Assembly· 2021 - Present

- Used Natural Language Processing (NLP) using libraries like NLTK, SpaCy on process posts scraped from two subreddits
- Trained models that classify a given post into one of two subreddits
- Summarized findings and presented to various stakeholders both technical and non-technical

Web Scraping | APIs | Python | Sklearn | Pandas| Data Visualization | NLP | Binary Classification

Housing Price Prediction

General Assembly· 2021 - Present

- Data were cleaned and Exploratory Data Analysis was performed to identify trends and insights, features best explaining prices were selected and used to built models
- Trained models that predicts the prices of transactions based on given features of a property
- Summarized findings and presented to various stakeholders

Python | Sklearn | Pandas | EDA | Data Visualization | NLP | Regression