GAVIN ONG ZE KAI

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Professional Experience

Enterprise Singapore (ESG) **Aug 2020 – Present**
Data Analyst   1 year 5 months

- Designed an end-to-end data pipeline for the Heartlands Go Digital project involving 20,000 Singaporean merchants, cutting down data processing efforts required from 2 days to 0.5 a week (75% reduction)
- Supported COVID-19 operations by generating Python scripts for compliance checks, cutting down man-hours per week from 10 to 1 (90% reduction)
- Built pipelines and dashboards to facilitate reporting of metrics to key management and to inform key decisions (e.g., ESG's Global Demand Monitor supports internationalization strategies by scoring the attractiveness of each country's market)
- Designed a dimensional model for enterprise grant data for the new MSSQL data warehouse and transformed transactional source data to analytics-ready data marts

Institute of Singapore Chartered Accountants (ISCA) **Apr 2018 – Aug 2018**
Data and Research Intern   4 months

- Built Tableau visualizations to identify and target key member segments to improve course subscriptions

Projects

Price Prediction for Bulldozers **December 2021 – December 2021**
Coursework for Online Bootcamp   1 month

- End-to-end machine learning project using Scikit-learn and Pandas
- Deployment of machine learning model on Streamlit cloud here

Cost Prediction for Star Asia Trading Pte Ltd **January 2019 – April 2019**
Industry-University Project   3 months

- Utilized machine learning models such as random forest to predict overhead costs using sensor data on top of only using historical accounting data

Google Analytics Revenue Prediction on Kaggle **January 2019 – April 2019**
Coursework for Forensic & Forecasting Analytics   3 months

- Participated in Kaggle competition with team while learning the data science workflow - exploratory data analysis, data cleaning, feature engineering and selection, model building and submission

Education

Singapore Management University **Aug 2016 – Present**
Bachelor of Accountancy (GPA 3.91/4.00)   4 years

Professional Development and Certifications

- Complete Machine Learning & Data Science Bootcamp
- The Complete Hands-On Introduction to Apache Airflow

Skills

Languages: Python, R
Analytics: Data Modelling, SQL, Tableau, Scikit-learn, TensorFlow
Database Management: Airflow, SQL Server, Data Normalization & Warehousing