Tan Min Thee

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EXPERIENCE

Fave, Bangsar South, Kuala Lumpur — *Data Scientist*

May 2021 - October 2023

Pull, analyze and generate data visualization with SQL on a daily Basis, Communicate with stakeholders and auditors for reconciliation and business performance. Also help to maintain the data infrastructure in Fave, such as ETL, creating api and data streaming
- Created several dashboards in Apache Superset, Holistics and Google Sheets to monitor the performance of the business.
- Used Python on automation, data manipulation, data streaming and data science projects (Search with Recommendation System, Forecasting, RFM analysis, modeling for customer churn predictions)
- Experience using DevOps tools to help maintain the data infrastructure and payment infrastructure in Fave. Also deploy models for staging and production.

Fourfang, Bandar Rimbayu, Selangor — *Computer Vision Engineer*

November 2019 - May 2021

Focus on computer vision on image and video analysis projects. Used Deep learning algorithms to recognise specific objects and text recognition.
- Created an IC card reader. Extracts information such as Name, IC number and address of the individual. Used tesseractOCR and OpenCV for this project.
- Social Distance Analyser with OpenCV and YOLOv3 to warn people to practice social distancing
- Recent project is a clothes recommendation system that is based on the attributes such as texture or patterns of clothes and recommend similar products for the end user. The algorithm used is ANNOY algorithm from spotify.

EDUCATION

University of Hertfordshire, Hertfordshire, United Kingdom — *MSc Embedded Intelligent Systems, Distinction*

September 2018 - September 2019

Designed and built a mini obstacle avoidance vehicle from scratch and used Raspberry Pi and Python to program it. Compared accuracy among CNN and several machine learning algorithms based on the MNIST digits dataset.

PROJECTS

Notebook_EDA — Created this repository to help me enhance my understanding of data visualization, machine learning algorithms and critical and analytical skills. (NBA_EDA , HR_EDA)

Clothes Recommendation System — Created this system with OpenCVand Annoy algorithm to produce output that is similar to input clothing.The accuracy on real data was close to 70%

Scraper and Automation for OFO — Created this web scraping and automation progress with Python script to help my colleagues automate the process of getting data and reducing their time on manual work.

SKILLS

Computer Vision *(object detection, text recognition, image recommendation)*

Machine Learning Algorithm *(ANNOY, Regression, K-NN, SVM, Random Forest & Decision Trees, K-Means Clustering, Lightgbm)*

Deep Learning Algorithm *and* Deep Learning Frameworks *(Tensorflow, Pytorch, Darknet, Fastai)*

Apache Superset & Google DataStudio

Python *(pandas, matplotlib, numpy, seaborn, scikit-learn, beautiful-soup, Apache Airflow, OpenCV, API, pygame)*

SQL *(Postgres, BigQuery)*

DevOps *(Google apps, Docker, Git, Kubernetes, Sentry, Kafka, Apache Airflow)*

Cloud *(GCP & AWS)*

Shell Programming *(Linux ubuntu)*

AWARDS

Data Science 360 from LEAD

Web Development course from LEAD

ROS development from Roboprenuer

Participated in Shopee Code League 2021

LANGUAGES

Fluent in English, Mandarin(Hokkien, Cantonese), Malay

CAREER OBJECTIVE

I am always eager to learn new knowledge, knowledge such as data-related techniques or domain knowledge. I am finding a position that is challenging and enables me to enhance my learnings, knowledge and skills.