Tiew Kee Hui
AI Engineer

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◉ Kuala Lumpur, Malaysia

I am an AI Engineer equipped with data science and software engineering skills. This enables me to deploy scalable machine learning solutions using cloud technology into production. I am a team player and advocate pair programming, good documentation and knowledge sharing between team members.

☰ COMPETENCIES

Programming	Python, SQL, Java, Golang, Javascript, Typescript, C++
Frameworks	Keras/Tensorflow 2.0, scikit-learn, Spring, FastAPI, Flask, AngularJS, Angular
Data	BigQuery, Firestore, Amazon Aurora, Oracle Database
Others	Airflow, Docker, git, Kubernetes, Helm, Terraform, GCP, AWS, Redis

💼 PROFESSIONAL EXPERIENCE

Current
March 2021

AI Engineer, MONEYLION, Kuala Lumpur
> Decision Engine / Experiment Engine
>> Developed data pipelines for sampling data
>> Optimized a data exporting function to move data from Aurora RDS to S3
>> Researched and load tested integration with Aurora RDS for future enhancements to the data exporting function
> Collections and Payments
>> Migrating and optimizing data pipelines for collecting due repayments from users

February 2021
September 2019

Data Scientist, AIR ASIA, Kuala Lumpur
> Customer Intelligence Team
>> Developed a prototype full stack web application to manage metadata of assets by integrating with Google Data Catalog
>> Developed an API with strict access control to deliver centralised customer data across all lines of businesses and deployed it using kNative
>> Delivered a dashboard for Digital Marketing that measures customer spending behaviour year-over-year after acquisition via various campaigns and channels from Google Analytics and transactional data
>> Deployed Jupyterhub on Google Kubernetes Engine to allow team members to conduct analysis in the cloud
>> Deployed and migrated Airflow on Google Kubernetes Engine to orchestrate data engineering jobs
>> Performed ETL of hundreds of gigabytes of data across different systems such as BigQuery and Clevertap
>> Used XGBoost to cross-sell to customers between different lines of businesses
> Data Platform & Experimentation Team
>> Developed part of an in-house experimentation platform by contributing to the codebase of Talaria, which is a custom database that stores experimentation metrics
>> Deployed Presto on Google Kubernetes Engine and configured Metabase to use Presto to query hot data from Talaria
>> Helped several other teams setup infra and deploy Airflow on our Data Platform through knowledge sharing sessions

August 2019
September 2018

R&D Software Engineer, IFAST CAPITAL, Kuala Lumpur
> Developed a chatbot to handle general enquiries. Experimented with BERT, Rasa, GloVE, word2vec and fastText for sentence embeddings. Integrated final product into the existing website using AngularJS, Spring MVC, Python and AWS
> Enhanced an in-house web application using Spring Web Flow for Customer Services to input training data for the chatbot. Inputs accepted were via typing directly into the form or uploading an Excel file
> Conducted churn analysis using XGBoost, Random Forest and SHAP to study characteristics of clients who will discontinue using our services

June 2017	**Data Science Industrial Trainee, SEEK Asia, Kuala Lumpur**
March 2017	› Created dashboards on Grafana to track data transfer progress to data lake
	› Contributed to an in-house PHP application to transfer data from databases to data lake
	› Trained and visualised decision trees for analysing competitors' advertisement performance using PySpark on Databricks

🎓 EDUCATION

2018   Bachelor of Computer Science (Data Science) @ Multimedia University, Malaysia.
Final Year Project sponsored by SEEK Asia - Predicting a company's industry based on its name using Support Vector Machine, Convolutional Neural Networks, word2vec and fastText
Graduated with a CGPA of 4.0/4.0

2015   Cambridge A Levels @ Tunku Abdul Rahman University College, Malaysia.
Obtained results of 4A*
Top in Malaysia for AS and A Level Computing