Tiew Kee Hui
Data Scientist, Air Asia

Email
tiewkeehui95
@hotmail.com

LinkedIn
tiewkh

Website
tiewkh.github.io

Languages
English
Bahasa Malaysia

Technical
Python Java
Angular R
Git GCP AWS

Experience

10/19 - Now	**Air Asia**	Data Scientist

Deployed an API to deliver customer data centralized across LoBs

Developed an internal web application for Data Governance and Security to maintain metadata of data assets throughout the entire organization using Angular and Python

Collaborated with Digital Marketing to deliver a dashboard that measures customer spending behaviour and lifetime value across certain time periods after acquisition via certain campaigns and channels using Google Analytics and transactional data in BigQuery

Structured CI/CD pipelines with GitLab to deploy solutions automatically to GCP

10/18 - 09/19	**iFast Capital**	R&D Software Engineer

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, Java Spring MVC, Python Flask and AWS

Enhanced a web application platform using Java Spring Web Flow for Customer Services to input training data for the chatbot. Inputs accepted were via typing or Excel uploads

Conducted churn analysis using XGBoost, Random Forest and SHAP to study characteristics of clients who will discontinue using our services

03/17 - 06/17	**SEEK Asia**	Internship

Created dashboards to track data transfer progress to data lake

Participated in coding 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

2015 - 2018	**Bachelor of Computer Science (Data Science)**	Multimedia University

Graduated with a CGPA of 4.0/4.0

2013 - 2014	**Cambridge A Levels**	Tunku Abdul Rahman University College

Obtained results of 4A*
Top in Malaysia for AS and A Level Computing

2011 - 2012	**Sijil Pelajaran Malaysia (SPM)**	SMK Bukit Indah

Obtained results of 9A+

University Projects

2018   **Industry Classification of Companies**   Final Year Project

Web application that accepts a company name as input and predicts its corresponding industry using Support Vector Machine, Convolutional Neural Network, word2vec and fastText. Sponsored by SEEK Asia

Fully developed in Python using gensim, scikit-learn, Keras and Flask

2016   **Robot War**   github.com/TiewKH/Robot-War

GUI based game developed using object-oriented techniques in Java where the player has to destroy a CPU controlled robot

2015   **Othello**   github.com/TiewKH/Othello

Command line based Othello game with superpowers developed in procedural C++