

IRVIN TAN

CONTACT

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ABOUT ME

I'm a curious data scientist with a desire to make a mark in the field. I am keen on Natural Language Processing, and I am experienced in Anomaly Detection, Recommender Systems, and Predictive Modelling.

SKILLS

Python
Machine Learning
Anomaly Detection
Recommender System
Problem Framing
Abstract Thinking

INTERESTS

Philosophy
Science
Photography
Exploring
Hiking
Mountain Climbing
Entomophagy

EXPERIENCE

Data Science Immersive @ General Assembly — 2017

- Capstone Project: **Recommender System**
Obtained RMSE of industry standard and intuitive predictions, using Matrix Factorisation (optimised by ALS and SGD), and Restricted Boltzmann Machine, with python classes and TensorFlow
- Capstone II: **Fraud Detection**
Deployed auto-encoder neural network, and utilised over/under sampling techniques together with ensemble models
- Solved problems through predictive modelling, supervised and unsupervised learning, dimensionality reduction, hypothesis testing, time series, web scraping, feature engineering, regularisation, optimisation, deep learning

Support Executive @ Pole To Win — 2016–2017

- Provided support for games, including game testing, bug testing, localisation, translation, investigation, and customer support
- Improved the shift scheduling system
- Streamlined workflow process and data storage

English Instructor @ GABA, Japan — 2014–2015

- Delivered specially tailored lessons to each individual (learning management system)
- Cultivated cultural sensitivity for effective communication
- Developed a structure for easier material creation to suit individual needs

Private Tutor @ Singapore — 2012–2014

- Customised one-to-one tuition in English and Math for primary to secondary level

EDUCATION

Data Science Immersive @ General Assembly — 2017

B.A. in Psychology @ Murdoch University — 2012

Vice Chancellor's Commendation for Academic Excellence
