Jason Chan Jin An

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EDUCATION

The University of Hong Kong (HKU)   **Hong Kong**

Master of Science in Statistics specialize in Data Analytics (incoming)   Sep 2019 commence

Bachelor of Science in Quantitative Finance, **CGPA:** 3.40   Sep 2012- Aug 2016

- **Notable Coursework:** Computer Programming (C++), Financial Engineering (R Programming), Quantitative Risk Management, Math Finance, Multivariable Calculus, Uni Math II, Probability Modelling, Financial Modelling
- **Scholarships:** HKU Scholarship for Outstanding International Students, ELSI Scholarship

Tunku Abdul Rahman University (left after 2 semesters for HKU)   **Malaysia**

Bachelor of Science in Actuarial Science, **CGPA:** 3.89   Jan 2012- Sep 2012

- **Notable Coursework:** Fundamentals of Programming (C Programming), Discrete Mathematics with Applications, Calculus, Probability and Statistics, Linear Algebra
- **Scholarships:** UTAR Full Scholarship, President's List

External coursework: Deep Learning Specialization (deeplearning.ai), CS50: Computer Science (HarvardX), Advanced Python Programming (DataQuest)

SKILLS

- **Programming:** Python (primary), R, C/C++, JavaScript, HTML, Java   **Database:** SQL   **Systems:** UNIX
- **Others:** Web Scraping, Machine Learning, Deep Learning, Big Data Cloud Computing, Kaggle, Tableau

WORK EXPERIENCE

Fidelity International   **Hong Kong**

Data Scientist – design analytics solutions using business' defined methodology   Dec 2016 – Dec 2018

- Data preparation, cleansing, audit, and parsing of MPF customers address data into spatial data and perform spatial analysis to assist marketing team to develop marketing strategy
- Implemented Markov Chain attribution for MPF marketing channels by blending data from Google Analytics and internal customers' data to assist current implementation deliverables
- Built outlier forecast analytics model for abnormal fund redemptions acccording to sales team's requirments
- Conduct advanced feature engineering to enrich dataset and improve accuracy of MPF customer churn prediction
- Bayesian time series forecasting of additional fund sales generated by online campaigns and present deliverables

FDM Academy   **Hong Kong**

Development Stream Trainee   Aug 2016 - Nov 2016

- Undergone 3 months training and passed modules: SQL, UNIX, Java, Python
- UNIX project: Shell scripting of a recycle bin feature in UNIX that temporarily removes file, passed all test cases
- Java project: Write a Java program that manages data of a bookshop and its customers
- Python project: Data cleaning of placement trainee data using Python and perform data visualization in Tableau

RELEVANT PROJECTS

Mixed Martial Arts Fights Predictor Web App

- Web app that predicts winners of upcoming Mixed Martial Arts fight
- Built using Python dash library with MVC design pattern with machine learning feature
- Wrote Python script to web scrape weekly and push new data to Amazon Web Services bucket
- Web app featured on Data Science Hong Kong (DSHK) and showcased on DSHK Hackathon

Data Science Demand in Hong Kong

- Web scraping of glassdoor website (javascript heavy) on Data Science jobs in Hong Kong using Python
- Exploratory data analysis on which companies have the highest rating and recommendation
- Perform segmentation using K means on jobs using rating, recommendation, and approval
- Perform text analytics on job descriptions of scraped jobs to find most common skills needed

SKILLS, ACTIVITIES & INTERESTS

Languages: Native English and Malay, Conversational Proficiency in Cantonese and Indonesian, Basic Mandarin
Activities: HKU RC Music Band Founder, Alteryx Data Science Guest Speaker
Interests: Music, Guitars, Fitness, Martial Arts, Kaggle, RPubs