**Jason Chan Jin An**

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**EDUCATION**

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

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

* **Notable Coursework:** Prob & Stat, Financial Engineering (R Programming), Quantitative Risk Management, Math Finance, Multivariable Calculus, Uni Math II, Probability Modelling, Programming (C++) ,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:** Probability and Statistics, Discrete Mathematics with Applications, Calculus, Linear Algebra, Fundamentals of Programming (C Programming)
* **Scholarships:** UTAR Full Scholarship, President’s List

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

**SKILLS**

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

**WORK EXPERIENCE**

**Fidelity International Hong Kong**

*Data Scientist* Dec 2016 – Present

* Wrote Python script that parses MPF customers address data into spatial data and perform spatial analysis and present to local marketing team
* Implemented proof of concept Markov Chain attribution for MPF marketing channels by blending data from Google Analytics and internal customers’ data
* Wrote and deploy an R Script to detect outliers in client fund redemptions using extreme studentized deviate (ESD) that triggers an email
* Predict incremental campaign sales using Bayesian structural time series to evaluate success of brand campaigns

**FDM Academy Hong Kong**

*Development Stream Trainee* Aug 2016 - Nov 2016

* Undergone 3 months training and passed the following 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**](https://github.com/jasonchanhku/UFC-MMA-Predictor)

* Web app that predicts winners of upcoming Mixed Martial Arts fight, built using Python dash library
* Conducted deep statistical analysis on data (t-test, distribution plot, summary statistics, correlation, heatmap)
* Performed feature selection using recursive feature elimination and applied machine learning for prediction
* Web app featured on [Data Science Hong Kong](https://datasciencehongkong.com/2018/01/13/the-ufc-mma-predictor-web-app-by-jason-chan-jin-an/) (DSHK) and showcased on DSHK Hackathon

[**Data Science Demand in Hong Kong**](https://github.com/jasonchanhku/DataScienceDemand)

* Web scraping of glassdoor website data (javascript heavy) on Data Science jobs in Hong Kong using Python
* Exploratory statistical 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 Moderator and Guest Speaker

**Interests:** Music, Guitars, Fitness, Martial Arts, [Kaggle](https://www.kaggle.com/jasonchanjinan), [RPubs](https://rpubs.com/jasonchanhku)