

# 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

- 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](#) (DSHK) and showcased on DSHK Hackathon

### Data Science Demand in Hong Kong

- 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](#), [RPubs](#)