



NG Ming Hin

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> *Hi, I am Matthew.*

> *I have a very strong interest in data, particularly in **data science**, **machine learning** and **big data**. My willingness to learn allows me to familiarize myself with new things quickly and be open to others' opinions.*

SKILLS

Data-related

Machine learning	TensorFlow	
Big data	Hadoop	Spark
Tableau	SQL	MongoDB

Programming languages

Python	C++	Java	R
Excel VBA			

Web-related

CSS	Javascript	React.js
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EXPERIENCE

July 2019 — Present (Anticipated completion: End of May 2021)

The Chinese University of Hong Kong

MPhil in Statistics (CGPA: 3.910 / 4.000)

- Detect gene-disease associations among millions of genes in a multi-ethnic population
- Equip myself with a set of transferable problem-solving skills during research

June 2018 — July 2019

Hong Kong Telecom

Data Science Analyst

- Find a way to gather a complete product catalog of *hundreds of thousands of products* for free: SAVE TIME AND \$\$!
- Design and automate the whole pipeline in the recommender system of an e-commerce platform
- Utilize machine learning methods to provide similar products in the recommender system
- Derive useful insights from browsing behaviour of millions of users with big data technology Spark and Hadoop
- Implement an interface for more resilient data storage and more flexible query of browsing log
- Create profiles for a million of websites

Sep 2014 — July 2018

The Chinese University of Hong Kong

BSc in Statistics (CGPA: 3.363 / 4.000)

- Programming coursework: Python, Excel & VBA, Java and R
- Department of Statistics Scholarship 2015/16, 2017/18; Academic Merit in 07/2017; Advantage Trust Statistics Scholarship 2015/2016

PROJECTS

Machine learning for business

- E-commerce recommender system
- Transform product name and product description into comparable numeric vectors

Machine Learning

- Passenger Screening Algorithm Challenge
- Classifying images of circles and squares
- Predicting winning probabilities in HK horse racing

Data acquisition

- Transfer web analytics data to MongoDB
- Create profiles for websites