



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

TensorFlow

Jupyter stack

Big data

Tableau

SQL

Programming languages

Python

C++

Java

R

Excel VBA

Web-related

CSS

Javascript

React.js

EXPERIENCE

July 2019 — Present (Anticipated completion: June 20, 2021)

The Chinese University of Hong Kong
MPhil in Statistics (CGPA: 3.910 / 4.000)

- Equipped myself with a set of transferable problem-solving skills during research
- Developed a scalable machine learning method to enable association detection over a million of genetic loci for a million of individuals
- Tags: [C++ & OpenMP](#) [Parallel computing](#) [Big data analysis](#)

June 2018 — July 2019

Hong Kong Telecom
Data Science Analyst

- Developed efficient [web crawling](#) techniques to gather important information of *hundreds of thousands of products* from a popular e-commerce platform
- Designed and automated the whole pipeline in the [recommender system](#) for an e-commerce platform
- Utilized various machine learning methods to provide similar products in the [recommender system](#)
- Derived useful insights from browsing behaviour of millions of users using [Python](#), [SQL](#) and big data technologies such as [Spark](#) and [Hadoop](#)
- Implemented an interface to stream web analytics data to a [MongoDB](#) database
- [Agile](#) project management using [Jira](#)
- Familiar with using [AWS](#) EC2 instances

Sep 2014 — July 2018

The Chinese University of Hong Kong
BSc in Statistics (CGPA: 3.363 / 4.000)

- Programming coursework: [Python](#) [Excel & VBA](#) [Java](#) [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
 - Predicting winning probabilities in HK horse racing
- Data acquisition**
 - Stream web analytics data to MongoDB
 - Create profiles for websites