



NG Ming Hin

Data Scientist
&
Research Assistant

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> Hi, I am *Matthew*.
> I have 4 years' experience in data science including 2 years' work experience and 2 years' research experience.

SKILLS

Data-related

TensorFlow Jupyterlab Tableau
SQL Apache Spark
Apache Kafka AWS
Alibaba Cloud Firebase Analytics
Elasticsearch

Programming languages

Python JavaScript C++ Java
R Excel VBA

Web & App

React.js React Native CSS
FastAPI Django

Project management

Agile Jira

Containerization

Docker Kubernetes

WORKING EXPERIENCE

Jun 2022 – Present

■ Data Scientist @ HSBC Global Services (Hong Kong) Limited

July 2021 – Jun 2022

■ Data Scientist @ LORA Technologies

- Lead a mobile app analytics project and establish the data architecture and data pipeline
- Build and deploy a full-stack containerized application for users to create and manage jobs
- Deploy data applications such as data visualization tool and data streaming service with **Kubernetes**

Oct 2021 – Jun 2022

■ Part-time Research Assistant @ The Chinese University of Hong Kong

Jun 2018 – Jul 2019

■ Data Science Analyst @ Hong Kong Telecom

- Design and develop the **recommender system** for an e-commerce platform
- Enable streaming of web analytics data to a **MongoDB** database
- User behavior analysis driven by **Apache Spark**

Jun 2017 – Aug 2017

■ Summer Intern @ Census & Statistics Department

Jun 2016 – Aug 2016

■ Product Intern @ Wharf T&T Limited

EDUCATION

Jul 2019 – Jun 2021

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

- Develop a scalable machine learning method to enable association detection over a million of genetic loci for a million of individuals

Sep 2014 – Jul 2018

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

- 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
- Deep-learning based stock trend clustering
- Natural language processing for e-commerce products

Data warehousing & management

- Mobile analytics driven by Alibaba LogHub (more cost-effective alternative to Apache Kafka)
- Data integration pipeline for logs
- Stream web analytics data to MongoDB

Machine learning

- Computer vision in Passenger Screening Algorithm Challenge