Matthew Ng

Data Scientist

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- LinkedIn | GitHub
- m2ng.github.io / blog

> I have 4 years' experience in data science including 2 years' work experience and 2 years' research experience.

SKILLS

Data-related

TensorFlow PyTorch LightGBM Gensim 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

Data Scientist   06/2022 — Present
at **HSBC Global Services (Hong Kong) Limited**

- Develop data-driven alerts built upon high volume of bank data for managing credit risk
- Collaborate with global stakeholders to enhance the quality of the alerts
- Propose new workflows and best practices for building data-driven solutions

Data Scientist at **LORA Technologies**   07/2021 — 06/2022

- Lead a mobile app analytics project and establish the data architecture and data pipeline
- Build and deploy a full-stack containerized application to enable job submission to a task queue
- Deploy data applications such as data visualization tool and data streaming service with Kubernetes

Part-time Research Assistant   10/2021 — 06/2022
at **The Chinese University of Hong Kong**

Data Science Analyst at **Hong Kong Telecom**   06/2018 — 07/2019

- 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

Summer Intern at **Census & Statistics Department**   06/2017 — 08/2017

Product Intern at **Wharf T&T Limited**   06/2016 — 08/2016

EDUCATION

MPhil in Statistics (CGPA: 3.910 / 4.000)   07/2019 — 06/2021
at **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

BSc in Statistics (CGPA: 3.363 / 4.000)   09/2014 — 07/2018
at **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	- E-commerce recommender system
	- Deep-learning based stock trend clustering
	- Natural language processing for e-commerce products
	- Computer vision in Passenger Screening Algorithm Challenge
Data engineering	- Mobile analytics driven by Alibaba LogHub (more cost-effective alternative to self-hosted Apache Kafka)
	- Data integration pipeline for logs
	- Stream web analytics data to MongoDB