



Matthew Ng

Aiming to be
a Full Stack Data Scientist

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🌐 [LinkedIn](#) | [GitHub](#)

🏠 m2ng.github.io/blog

> I have 5 years' experience in data science: 3 years' work experience and 2 years' research experience.

SKILLS

Data-related

[Databricks](#) [Azure Data Factory](#)
[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 Engineer at Swire Properties Limited

12/2023 – Present

- Initiate and provide [beginner-friendly workshops](#) for business users
- Design and develop data pipelines on [Azure](#) to generate data assets consumable by business users
- Design and enable low-cost [self-service data analytics](#)
- Manage and monitor cloud data architecture

Data Scientist

at HSBC Global Services (Hong Kong) Limited

06/2022 – 12/2023

- 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

at The Chinese University of Hong Kong

10/2021 – 06/2022

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](#)

EDUCATION

MPhil in Statistics (CGPA: 3.910 / 4.000)

at The Chinese University of Hong Kong

07/2019 – 06/2021

- 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)

at The Chinese University of Hong Kong

09/2014 – 07/2018

- 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