



## Matthew Ng

*Aiming to be*  
a Full Stack Data Scientist

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🌐 [LinkedIn](#) | [GitHub](#)

🏠 [m2ng.github.io/blog](https://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 or BI reporting framework
- Design and establish the cloud data architecture for more flexible data discovery and data governance
- Developed BI reports and data visualization with Qlik Sense and Power BI. Need to engage with stakeholders from various departments regularly to understand their requirements.

### Data Scientist

06/2022 – 12/2023

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

- Enhance and develop investment strategies based on research insights, machine learning, and deep learning techniques
- 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](#)

## 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