



Matthew Ng

Aiming to be
a Full Stack Data Scientist

☎ (+852) 9349 1019

✉ ngmhmatthew@gmail.com

🌐 [LinkedIn](#) | [GitHub](#)

🏠 m2ng.github.io/blog

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

Applied AI/ML at **JPMorgan Chase**

02/2025 — Present

Data Engineer at **Swire Properties Limited**

12/2022 — 02/2025

- Initiated and conducted the very first Power BI [workshop](#) for >10 business users
- Designed and developed the data architecture on [Azure](#) to generate data assets easily consumable by business users
- Developed data visualizations with Qlik Sense to support >100 business users.

Data Scientist

at **HSBC Global Services (Hong Kong) Limited**

06/2022 — 12/2022

- Initiated and developed the automation of generating data-driven alerts built upon high volume of bank data for managing credit risk
- Collaborated with global stakeholders to enhance the quality of the alerts
- Proposed new workflows and best practices for building data-driven solutions

Data Scientist at **LORA Technologies**

07/2021 — 06/2022

- Initiated and deployed data applications such as data visualization tool and data streaming service with [Kubernetes](#)
- Developed investment strategies with machine learning models and made the backtesting process at least 4x faster
- Led a mobile app analytics project and captured activities from >30 users.
- Built and deployed a full-stack containerized application to enable more efficient scheduling of backtesting jobs.

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

- Designed and developed the [recommender system](#) for an e-commerce platform
- Enabled 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

- Developed 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