Matthew Ng

Aiming to be
a Full Stack Data Scientist

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> *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**
- 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   **06/2022 — 12/2023**
at **HSBC Global Services (Hong Kong) Limited**
- 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   **10/2021 — 06/2022**
at **The Chinese University of Hong Kong**

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)   **07/2019 — 06/2021**
at **The Chinese University of Hong Kong**
- 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)   **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