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📚 EDUCATION

MSc in Big Data Technology

The Hong Kong University of Science and Technology [2020 – 2022]

- ✓ Data Analytics Techniques
- ✓ Time Series Analysis
- ✓ Distributed Computing
- ✓ Parallel Computing
- ✓ Graph Analytics
- ✓ Machine Learning

BEng(Hons) in Electronic and Information Engineering

The Hong Kong Polytechnic University [2015 – 2020]

- ✓ Machine Learning and IoT
- ✓ Circuit Analysis and Logic Design
- ✓ Embedded System Programming
- ✓ Microcontroller System and Interface Design



📁 WORK EXPERIENCES

- Now
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Dec 2021
- 👤 **Consultant in Data Engineering & Architecture** 🏢 **Ekimetrics Hong Kong Ltd.**
- Led customer segmentation ML project for *Hong Kong property company* utilising Databricks, constructing an RFM clustering model that segmented millions of customers, enabling targeted marketing strategies, carrying out data analysis, and establishing a production pipeline;
 - Constructed a data engineering pipeline for a *worldwide automobile firm*, converting leads-to-sales reports from 17 countries, guaranteeing data quality, devising zoning, and employing Databricks for data intake;
 - Designed serverless ingestion pipeline for *European digital automation and energy management company* using AWS Lambda, conducting quality checks on tables, and creating data model for AWS Data Warehousing Solution;
 - Developed and deployed a web dashboard for the *European Country Chamber of Commerce in Hong Kong*, carrying out data processing and web scraping, using the Plotly Dash framework, and containerised technology for swifter website deployment;
 - Planned and implemented GDPR compliance for a *French car manufacturer*, retrieved files from SFTP, sorted them into custom folders, and automated decryption, decompression, and deletion;
 - Developed and delivered face-to-face training on Databricks for data engineering and machine learning to a *global luxury brand*, which included the creation of training materials;
- Dec 2021
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Jun 2020
- 👤 **Engr Project Specialist I (Innovation Lab)** 🏢 **Hewlett Packard Enterprise**
- Provided technology consulting around HPE Enterprise-grade Lakehouse Platform – HPE Ezmeral Portfolio (Kubernetes, MLOps, Data Fabric – MapR) with cloud-native analytics and data warehouse solution;
 - Built demo and Proof-of-Concept of Machine Learning and Data Pipeline using Python, ETL Pipeline (PySpark), and other Open-Source Technologies (Hadoop, Hue, Hive, Kafka etc) with HPE Ezmeral;
 - Were responsible for providing technical support in the creation and delivery of technology solutions or Data Platform designed to meet customers' business needs;
- Aug 2019
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Jul 2019
- 👤 **Business Engineer Summer Intern** 🏢 **Wuxi Murata Electronics Co., Ltd**
- Developed RPA (Robot Process Automation) program for HR department;
- May 2019
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Aug 2018
- 👤 **Electronic Engineer Trainee (Gap-Year Intern)** 🏢 **RF Tech Ltd**
- Developed product of LoRa, NB-IoT and Product Development for Data Visualization Platform with M2M communication protocols like MQTT;
 - Firmware programming on IoT system of Self-service Library Station;