Cenz, Wong Tsz Ho

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🎓 EDUCATION

MSc in Big Data Technology

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

✓ Data Analytics
✓ Time Series Analysis
✓ Distributed Computing
✓ Parallel Computing
✓ Natural Language Processing
✓ 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

Consultant in Data Engineering & Architecture - Ekimetrics *[Dec 2021 – Now]*

- 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 on Azure*, 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 Python 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;

- Provide on-site consulting for Data Analytics team. Developed and delivered face-to-face training on Databricks for data engineering and machine learning to a *global luxury brand*

- Researched and built Proof-of-Concept solution on LLMs using LangChain Python and Vector Databases.

Engr Project Specialist I (Innovation Lab) - Hewlett Packard Enterprise *[Jun 2020– Dec 2021]*

- 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;

Business Engineer Summer Intern - Wuxi Murata Electronics Co., Ltd   *[Jul 2019 – Aug 2019]*

- Developed RPA (Robot Process Automation) solution that automated repetitive HR tasks;

Electronic Engineer Trainee (Gap-Year Intern) - RF Tech Ltd   *[Aug 2018 – May 2019]*

- 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;