

✉ : cenzth@gmail.com

in : [@cenzwong](https://www.linkedin.com/company/cenzwong)

🐙 : [@cenzwong](https://github.com/cenzwong)

☎ : +44 7803 453 314



Cenz, Wong Tsz Ho

WORK EXPERIENCES

Data Engineer I ASDA

[Oct 2023 – Now]

- Led customer data unification initiative, developing end-to-end data pipelines using PySpark for data ingestion, cleansing, and transformation;
- Spearheaded proof-of-concept implementation of Neo4j graph database for machine learning applications, showcasing ability to evaluate and implement new technologies;
- Developed production-grade Python packages for streamlined data processing workflows, improving team efficiency;
- Implemented comprehensive data quality frameworks and automated validation processes;
- Built robust data pipelines for customer profile unification across multiple data sources;
- Established DevOps practices and Git workflows for version control, improving deployment efficiency;
- Performed complex data aggregations and visualizations for business intelligence initiatives;

Consultant in Data Engineering & Architecture I Ekimetrics

[Dec 2021 – Aug 2023]

- Architected and implemented large-scale data engineering pipeline for global automotive company using Azure and Databricks, handling multi-country data integration from 17 regions while ensuring GDPR compliance;
- Designed and deployed serverless data ingestion pipeline on AWS using Lambda functions, implementing robust data quality checks and data warehouse modeling;
- Led end-to-end machine learning pipeline development using Databricks, processing millions of customer records for segmentation analysis;
- Utilized containerization for efficient application deployment;
- Built Proof-of-Concept solution on LLMs using LangChain Python and Vector Databases;

Engr Project Specialist (Innovation Lab) I Hewlett Packard Enterprise

[Jun 2020 – Dec 2021]

- Provided technology consulting on HPE Ezmeral, a cloud-native enterprise lakehouse platform. Demonstrated machine learning and data pipeline capabilities using Python, PySpark, and open-source big data technologies like Hadoop, Hue, Hive, and Kafka;

Electronic Engineer Trainee (Gap-Year Intern) I RF Tech Ltd

[Aug 2018 – May 2019]

- Developed a product utilizing LoRa, NB-IoT, and product development for a data visualization platform. Implemented M2M communication protocols such as MQTT. Developed firmware programming for an IoT system of a self-service library station;

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

