

NGUYÊN MINH TRUNG DATA SCIENTIST

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CAREER OBJECTIVE

Finding a position as a Data Scientist/ML Engineer at a Data-driven organization that has a well-defined data analysis pipeline. Be able to perform analytics about sales, products, cost, profit, and customer behavior. Have a chance to practice building end-to-end data driven system and applying Deep Learning models, MLOps and Cloud.

SKILLS

Machine Learning

- Sklearn, Keras, Pytorch, PySpark

Programming Language

- SQL, Python and R for Data Analysis and Modelling

BI Tools

- Tableau, PowerBI, Apache Superset

Data Pipeline

Apache Airflow, PostgreSQL, Redis, Milvus, MinIO, Kafka

MLOps

Kubernetes, Docker, MLFlow, SeldonCore, Google Cloud Platform

EDUCATION

University of Sydney

Bachelor of Computer Science and Technology

03/2015 - 07/2018

Graduated with Distinction grade, GPA 7.9

University of Melbourne

Master of Data Science

03/2019 - 01/2021

Graduated with High Distinction grade, GPA 8.1

EXPERIENCE

Techcombank

Data Scientist at Advanced Analytics Department

05/2025 - Present

Data Science

- Migrate and rebuild Segmentation model on Cloud (Databrick)
- Save substantial effort compared to running model on-prem
- Model generates 10 billion VND Total Operating Income every month

Optimization

- Develop and maintain Lead Allocation service to automate lead assignment to branch and sale.
- Improved the process and speed of manual lead assignment by 80%
- Implement in Java using OptaPlanner and Constrained optimization

Viettel Al

Machine Learning Engineer

12/2022 - 04/2025

Data Analytics

- Analysing user watching behaviours on Myclip.vn
- · Clean and prepare log data
- Design A/B testing strategy for video recommendation system
- Design database and data pipeline for the recommendation system
- Collect user clickstream behaviours data on website to measure the performance of recommendation system

 Experiment building Kedro pipeline and MLflow for Machine Learning

Deployment

- Design pipeline to migrate recommendation system from onprem to Kubernetes clusters
- Deploy Kafka for data ingestion
- Deploy Postgresql, Redis, Milvus for data storage on Kubernetes using Helm Chart
- Deploy Airflow and run batch jobs to generate artifacts for recommendation model
- Deploy streaming jobs to receive data from kafka topics
- Write Helm chart to deploy Recommendation API server application
- · Setup Prometheus and Grafana for performance monitoring
- · Apply ArgoCD for automatic deployment

BIDV - Bank for Investment and Development of Vietnam

Data Analyst at Digital Banking Center

03/2021 - 11/2022

- Perform data cleaning and transformation to prepare data as input for the model using Python and PySpark
- Using SQL to query, and prepare data for further analytical tasks
- Analyze and build a Machine Learning model to get insights into Customer churn behavior
- Design and build analytic dashboards to provide information for the business team (Tableau)
- Perform customer segmentation analysis using RFM techniques and showcase results on an interactive dashboard