



TRẦN XUÂN LỘC

Data Engineer

📍 Ho Chi Minh City

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Education

The Bachelor of Science, *University of Science*

11/2018

- **GPA:** 8.86/10
- **Achievement:**
 - Published two papers on ACIIDS 2022 and KSEM 2022
 - Encouraging scholarships: 2018, 2019, 2022
 - Academic and scientific research merit scholarship: 2022

Publications

Integrating Quaternion Graph Convolution Networks with Tucker Decomposition for Link Prediction on Knowledge Graphs, Thanh Le, Chi Tran, Loc Tran and Bac Le

19/07/2022

A Novel Integrating Approach Between Graph Neural Networks and Complex Representation for Link Prediction on Knowledge Graphs, Thanh Le, Loc Tran and Bac Le

28/11/2022

Work Experience

Research Assistant, *Computer Science Laboratory, HCMUS*

06/2021 – 06/2022

- **Responsibilities**
 - Study the advantages and disadvantages of different approaches
 - Run test and experiment, fine-tuning model
 - Conduct complex analysis about the Deep Learning architecture
- **Technologies:** Pytorch, GCNs, GAT, CNNs, Geometric space

Data Engineer, *Yody Fashion Tech, YODY*

06/2022 – 05/2023

Participated in developing and implementing end-to-end data ingestion pipelines on GCP for different environments (PROD, UAT, DEV/DEMO), which included data lake management, ETL, data modeling, and data visualization for business needs..

Ho Chi Minh

- **Responsibilities:**
 - Build data pipeline including extracting data from different sources (Mysql, Postgres DB, other third parties) using Nifi, Transforming data using Spark, Loading data to datalake HDFS then Saving into data warehouse.
 - Construct data mart based with variant table of snowflake schema on requirements from DA.
 - Designed and deployed more than 40 dashboards for POS reports: including Inventory, Retail, Human Resources, Financial Statement, Sales.
 - Participated with BE and FE for constructing API function to get data from server.
 - Build data pipeline for Key-driver reports for Head of department and manager of store departments using BT tool.
- **Technologies:** Spark, Nifi, HDFS, BI tools, Python, Java, GCP, Flink.

Technique Skills

Have a basic knowledge about:

- *Data Structure.*
- *Machine Learning and Deep Learning.*

Working with data lake and data warehouse

- *HDFS, MySQL, Postgres*

Ingesting data using Nifi

Has experience in working with GCP

Programming languages

- *Python, C++, Bash script*

Perform other EDA and build up a end-to-end data pipeline

ETL Batch data with Spark and Streaming data with Flink

Has experience in designing data flow and data pipeline for constructing data mart and data model

Soft Skills

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|----------------------|--|-------------------|
| • Good Communication | • Problem solving | • Time management |
| • Teamwork | • Have ability to explore and research problem | • Leadership |

Languages

English (*IELTS 5.5*)

Interests

Camping, Reading, Researching