



Loc Tran Xuan

Data Engineer

📍 Ho Chi Minh City

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EDUCATION

2018 – 2022

The Bachelor of Science

VNU-HCMC University of Science

- **GPA:** 8.86/10
- **Achievements:**
 - Two publications on ACIIDS 2022 [🔗](#) and KSEM 2022 [🔗](#).
 - Academic incentive scholarship: 2018, 2019, 2022.
 - Eureka Scientific Research Student Award: 2022.

WORK EXPERIENCES

2022/11 – present

Data Engineer

Yody Fashion Joint Stock Company

- **Responsibilities:**
 - Collaborate with Data Analysts and Project Owner to clarify the data requirements such as data source, volume of data and scheduling.
 - Collaborate with Quality Control to ensure the accuracy, consistency and security of data in order to stakeholders.
 - Monitor and schedule data crawling system to automation synchronize operational data from multiple sources for enriching data lakehouse in landing zone by using Nifi and Google Cloud Storage.
 - Succeed in build and operate 4 star-schema datamarts (largest datamart with more than 25 tables) for sales, inventory, and other department needs; more than 5 automatically reports serving for c-level and head of department by using Spark, Airflow. Those are mainly using on Big query and data infrastructure for YODY data analytics system.
 - Manage access and data partitions for relative departments on Big Query.
 - Participate and deploy a stable and scalable data platform based on Google Cloud Platform; then successfully optimized the execution time by up to 50% in wrangling time, consistency, and cost-efficiency for Department of Data at YODY.
 - Troubleshoot and resolve data-related issues, including performance bottlenecks, data discrepancies, and system failures.

- **Technologies:** Spark, Nifi, Hadoop system, Pentaho, Python, Julia, Google Cloud Platform, Flink, Airflow.

2021/06 – 2022/06

Research Assistant

Computer Science Laboratory, VNU-HCMC HCMUS

- **Responsibilities:**

- Implement and evaluate deep learning models to solve the link prediction problem on knowledge graphs on different benchmark datasets, and analyze the experimental results.
- Publish research papers and present findings in two international conferences.

- **Technologies:** Pytorch, GCNs, GAT, CNNs, Geometric space, Knowledge Graphs.

TECHNICAL SKILLS

Have a fundamental knowledge about:

Data Structure.

Machine Learning and Deep Learning.

Working with data lake and data warehouse

HDFS, MySQL, Postgres.

Design machine learning model

• *Pytorch and Tensorflow.*

Perform statistical analysis and fine-tuning

Programming languages

Python, C++, Scala, Bash script.

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

Research and implement appropriate ML algorithms.

Run machine learning tests and experiments

• *SparkML, Scikit-learn*

PUBLICATIONS

2022/11/28

A Novel Integrating Approach Between Graph Neural Networks and Complex Representation for Link Prediction on Knowledge Graphs

Thanh Le, Loc Tran and Bac Le

2022/07/19

Integrating Quaternion Graph Convolution Networks with Tucker Decomposition for Link Prediction on Knowledge Graphs

Thanh Le, Chi Tran, Loc Tran and Bac Le

SUMMARY SKILLS

IELTS 5.5 • Nifi • Hadoop • Spark • Flink • Airflow • GCP • Bash Scripts