Loc Tran Xuan

Data Engineer

📍 Ho Chi Minh City 📞 0976248973 in Loc Tran ⌽ Loc Tran ✉ xuanloc2018@gmail.com

EDUCATION

The Bachelor of Science   11/2018 – 12/2022
Viet Nam National University of Ho Chi Minh City,
University of Science
- **GPA**: 8.86/10
- **Achievement**:
  • Two publications on ACIIDS 2022 and KSEM 2022.
  • Academic incentive scholarship: 2018, 2019, 2022.
  • Eureka Scientific Research Student Award: 2022.

WORK EXPERIENCES

Data Engineer   06/2022 – present
Yody Fashion Joint Stock Company
- **Responsibilities:**
  • Develop and maintain data pipelines that extract data from different sources (MySQL, Postgres DB, other third parties) using Nifi, transform data using Spark, and load data into a datalake HDFS, then save it into a data warehouse.
  • Implement and maintain data marts based on a variant table of the snowflake schema using technology such as SQL, Python, and ETL tools to meet the specific requirements of data analysts. Successfully optimized data marts to reduce query execution time by up to 50%, resulting in improved reporting and decision-making capabilities for the organization.
  • Implement a highly scalable data pipeline using Apache Kafka and Apache Flink to process real-time Point of Sale (POS) data for Inventory, Human Resources, and Sales reports. Achieved a significant reduction in data processing time and improved data accuracy by integrating data validation and cleansing techniques.
  • Collaborate effectively with cross-functional Backend (BE) and Frontend (FE) teams to identify requirements .Communicate effectively with team members and stakeholders to ensure the successful implementation and delivery of the project.
- **Technologies**: Spark, Nifi, HDFS, BI tools, Python, Java, GCP, Flink.

Research Assistant   06/2021 – 06/2022
Computer Science Laboratory, University of Science, HCMC
- **Responsibilities**:
  • Design and implement novel Deep Learning models to solve the link prediction problem on knowledge graphs.
  • Evaluate the performance of various link prediction models on different benchmark datasets, and analyze the experimental results.
  • Develop and implement algorithms for embedding entities and relations into vector space, which is a crucial component of link prediction models.
  • Conduct thorough literature reviews to stay up-to-date with the latest research in the field of link prediction on knowledge graphs.
  • Write research papers and present research findings at 2 Southeast Asian conferences.
- **Technologies**: Pytorch, GCNs, GAT, CNNs, Geometric space, Knowledge Graph.

TECHNICAL SKILLS

Have a fundamental 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++, Scala, Bash script.

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

ETL Batch data with Spark and Steaming data with Flink

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

PUBLICATIONS

Integrating Quaternion Graph Convolution Networks with Tucker Decomposition for Link Prediction on Knowledge Graphs ⬀   19/07/2022
Thanh Le, Chi Tran, Loc Tran and Bac Le

A Novel Integrating Approach Between Graph Neural Networks and Complex Representation for Link Prediction on Knowledge Graphs ⬀   28/11/2022
Thanh Le, Loc Tran and Bac Le

REFERENCES

Thanh Le Ngoc, *Vice Head of Department of Computer Science, Faculty of Information Technology*,
Viet Nam National University of Ho Chi Minh City, University of Science

Hai Dinh Ba, *Lead Data Engineer of Data Management Platform Department*,
Yody Fashion Joint Stock Company
0971611175

Anh Bui The, *Lead Data Engineer of Data Center Department*,
VNPT Information Technology Company
0945481651

LANGUAGES

English *(IELTS 5.5)*