TRAN XUAN LOC

Data Engineer, AI Engineer Fresher

Ho Chi Minh City ✉ xuanloc2018@gmail.com 📞 0976248973 in Loc Tran Ⓗ Loc Tran ⬤ Loc Tran

Education

The Bachelor of Science 11/2018
University of Science
- **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 🔗 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

Research Experience

Research Assistant 06/2021 – 06/2022
Computer Science Laboratory, HCMUS
- **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

Technique Skills

Have a basic knowledge about:
• *OOP, Data Structure*
• *Image Preprocessing, Machine Learning and Deep Learning.*

Programming languages
Python, C++, Bash script

Web Scrapping, Crawling data from API
• *Extract raw data using BeautifulSoup, Selenium, and Regex.*
• *Analyze and organize raw data.*

Perform ETL, conduct complex data analysis and report on results
• *Interpret trends and patterns using Tableau, Python*
• *Using Python, MSSQL server, and Spark, Kafka to perform ETL and EDA.*

Real time analysis with Flink

Perform statistical analysis and fine-tuning using test results

Design machine learning model

Research and implement appropriate ML algorithms.

Run machine learning tests and experiments

Select appropriate datasets and data representation methods

Prepare data for prescriptive and predictive modeling

Projects

Spark Machine Learning 🔗
Conduct EDA and ETL using SparkSQL on Python.
Using SparkML library to conduct classfication algorithms.
Role: Developer.

Spark and Hadoop Coding 🔗
Analyze data by SQL and solving problems using SparkSQL on Python.
Implement MapReduce for each problem.
Role: Leader, Developer.

Food Texture Analysis 🔗
Perform data cleaning using Python.
Using PCA to transform data into low-dimensional space.
Discover the meaning of value in each eigenvector(s) by visualizing them.
Role: Leader, Developer.

Weather Prediction 🔗
Crawling data from API.
Performing EDA, data cleaning, then solving the unbalanced problem.
Using by Multi-layer Perceptron and Support Vector Machine model to predict weather.
Role: Developer.

House Price Analysis 🔗
Perform data cleaning by insight from EDA.
Analyzing and visualizing data on Python.
Construct the architecture of model based on self-research.
Obtain the 125th position on Kaggle compettion.
Role: Leader, Developer

StackOverFlow Exploration 🔗
Perform EDA and ETL on StackOverFlow's survey data using Pandas on Python.
Analyzing and visualize data for answering the target questions using Python.
Role: Developer.

Data Analyst with Tableau and MSSQL server 🔗
Perform EDA and ETL using SQL on MSSQL server with Covid data.
Visualize Covid data by using Tableau.
Perform data cleaning by SQL on MSSQL server with Nashville Housing Data.
Role: Developer.

Soft Skills

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

Languages

English (*IELTS 5.5*)

Interests

Camping, Reading, Gaming, Badminton.