

Huynh Doan Minh Ngoc

Data Engineer Fresher

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github.com/ngochdm

EDUCATION

- **University of Science, Vietnam National University in Ho Chi Minh city**
Bachelor in Computer Science, High-Quality Program 2017 – 2021
GPA: **3.82/4.00**
Courses: Data Mining, Machine Learning, Pattern Recognition, Big Data, Data Visualization, Data Science, Intelligent Data Analyst, Graph Mining...

PUBLICATIONS

- **RotatHS: Rotation Embedding on the Hyperplane with Soft Constraints for Link Prediction on Knowledge Graph**: Paper at the ICCCI 2021 conference
Programming language: Python. *Library*: Pytorch
Le, T., Huynh, N., Le, B. (2021). RotatHS: Rotation Embedding on the Hyperplane with Soft Constraints for Link Prediction on Knowledge Graph. In: Nguyen, N.T., Iliadis, L., Maglogiannis, I., Trawiński, B. (eds) Computational Collective Intelligence. ICCCI 2021. Lecture Notes in Computer Science(), vol 12876. Springer, Cham.
- **Link Prediction on Knowledge Graph by Rotation Embedding on the Hyperplane in the Complex Vector Space**: Paper at the ICANN 2021 conference
Programming language: Python. *Library*: Pytorch
Le, T., Huynh, N., Le, B. (2021). Link Prediction on Knowledge Graph by Rotation Embedding on the Hyperplane in the Complex Vector Space. In: Farkaš, I., Masulli, P., Otte, S., Wermter, S. (eds) Artificial Neural Networks and Machine Learning – ICANN 2021. ICANN 2021. Lecture Notes in Computer Science(), vol 12893. Springer, Cham.

PROJECTS

- **Link Prediction on the Knowledge Graph based on Rotation Embedding method (Graduated Thesis)**: Read papers and report the Geometric approach in the Link Prediction problem; Give the proposed model (RotatHS) to improving the performance; Code and conduct some experiments with the RotatHS model; Visualize the results and some comparisons; Write thesis using Latex and preparing slides
Programming language: Python
- **Visualize and analyse the situation of COVID-19 in Vietnam**: Crawl Covid-19 data from Worldometer and Ministry of Health; Visualize data using the Tableau application; Write report and preparing slides; Apply the ARIMA and OLS models to predict the cases in the following day using *sklearn* and *statsmodels* libraries
Programming language: Python
- **Credit card fraud detection**: Visualize data using the *matplotlib* library; Apply some models to classify the fraudulent transactions; Write report and preparing slides
Programming language: Python
- **Student management application**: Design and code the UI; Create database; Code and Test the features
Programming languages: C# (for UI) and SQL (for database)

ACTIVITIES

- **SheCodes Hackathon in HCMC** Jul 18th - 19th, 2020
First Place with VGO team
- **30th International Conference on Artificial Neural Networks 2021** Sep 18th - 17th, 2021
Participate as an author of accepted paper
Link Prediction on Knowledge Graph by Rotation Embedding on the Hyperplane in the Complex Vector Space
- **13th International Conference on Computational Collective Intelligence** Sep 28th - Oct 1st, 2021
Participate as an author of accepted paper
RotatHS: Rotation Embedding on the Hyperplane with Soft Constraints for Link Prediction on Knowledge Graph

- **Female Developer Innovation Tournament 2021**
Champion and Best Innovation Idea with Lumière team

Dec 01st, 2021 - Feb 26th, 2022
The detailed idea

HONOR AND AWARDS

- **Semester Scholarship** 2017 - 2020
1st, 2nd, 3rd Semester
- **Scholarship of the academic year** 2017 - 2020
Full Scholarship for top 1
- **Gold table of achievements 2019 - 2020** 2019 - 2020
Top 5 best yearly GPA
- **Excellent thesis topic** Nov 26th, 2021
The Science and Technology Research Student Award 2021

SKILLS

- **Languages:** English (IELTS: 5.5)
- **Computer:** Latex
- **Programming Language:** Python, C++
- **Used to use:** C#, SQL, Java, Cuda C/C++

SOFT SKILLS

- Critical thinker with excellent problem solving skills
- Adapt quickly to new environments
- Good interpersonal and communication skills

OBJECTIVE

- Working and dedicating in a professional environment, respect each other, friendly,...
- Programming skills are trained in 4 years, capable of management (with the completion of a good team leader in most university projects) or jobs requiring a high level of technical expertise
- Research skills are trained during the course of the thesis (with 2 accepted papers in 2 international conferences)