"Complete disorder is impossible." — Theodore S. Motzkin, Israeli-American mathematician, 1908 - 1970

Education	
Graduated	
University of Science, Viet Nam National University HCM City Faculty of Mathematics and Computer Science Major in Applied Mathematics. Research areas: Optimization algorithms, Graph algorithms, Mathematical Property.	12/2023 – present Master of Science student gramming
University of Science, Viet Nam National University HCM City Faculty of Information Technology - Department of Computer Science Major in Computer Science. Research areas: Multi-relational graph, Machine learning, Optimization algorithms	12/2022 – present Master of Science student nms, Graph algorithms.
Undergraduate	
University of Science, Viet Nam National University HCM City Faculty of Information Technology - Department of Computer Science Major in Computer Science. Research areas: Knowledge graphs, Machine learning Thesis title: Link Prediction on Knowledge Graphs based-on Convolutional New	09/2018 – 09/2022 Bachelor of Science degree ural Networks.
Publications and preprints	
 Knowledge graph embedding by relational rotation and complex convolution. T. Le, N. Le and B. Le, Expert Systems with Applications, 2023, 214, 119122 	olution for link prediction.
 Embedding Model with Attention over Convolution Kernels and Dynam Prediction. T. Le, N. Le and B. Le, Asian Conference on Intelligent Information and Database 	•
Techincal skills	
Programming experience Python, C/C++, Julia, Java, CUDA	
Machine learning framework	
Pytorch, Tensorflow	
Tool chains.	
Git, LATEX, Conda, Docker, Jupyter, Jetbrains	
Operating system	

Arch Linux (on DWM), Ubuntu

Selected projects

A study on graph partition algorithms.

Graph partition is the process of dividing a graph into multiple subgraphs or partition partitions, such that each subgraph is connected and has a certain desirable algorithms property, such as balanced size or minimal cut size. Although it is a challenging problem, finding a partition that makes graph analysis easier has applications in scientific computing. In this project, we provide a Python programming language implementation for a few well-known graph partitioning techniques. Public source code on Github.

Google Al4Code Understand Code.....

Understand in Python notebooks the relationship between code and comments using language models: codebert, graphcodebert and optimization techniques in Python (gradient accumulation, automatic mixed precision training, 8-bit Optimizers - 8- Notebooks bit Adam/AdamW Optimizer and fast tokenizers). Public source code at Github

Selected work experience

Industry internships.

03/2023 - present

DIGIME PTE. LTD: Al Developer

Academic teaching.....

FIT-HCMUS, VNU-HCMC: Visiting Lecturer

09/2022 - present

Was Visiting Lecturer in Faculty of Information Technology, VNUHCMC - University of Science. Instructed in laboratory for Parallel Programming, Graph Mining, Introducion to Data Science, Programming for Data Science, Introduction to Machine Learning, and Data Visualization.

Academic research working.....

DoCS, FIT-HCMUS, VNU-HCMC: Graduated Research Student 01/2023 – present

Advised by Prof. PhD. Le Hoai Bac and MS.c Le Ngoc Thanh on research topic of temporal knowledge graphs completion.

DoCS, FIT-HCMUS, VNU-HCMC: Undergraduated Research Student

Working on digital image-video processing, object detection tasks with YOLO models.

06/2021 - 07/2022

Advised by MS.c Le Ngoc Thanh on research topic of link prediction on knowledge graphs.

More.....

HUST: Modern Machine Learning: Foundations and Applications 11/09/2023 – 15/09/2023

Was participant in Summer school of Modern Machine Learning: Foundations and Applications – MML hosted by HaNoi University of science and technology, VINBIGDATA, and NAVER

VMC: 10th Vietnam Mathematical Congression 2023

08/08/2023 - 12/08/2023

Was **participant** in 10th Vietnam Mathematical Congression 2023.

Miscellanea

- Vietnamese: Native speaker
- English: Intermediate level (5.5 Overall IELTS); written in English, publications and presentations are in English.