"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, Mathematical Programming, Graph a	12/2023 – present Master of Science student
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 algorith Thesis title: Temporal knowledge graph reasoning based on reinforcement learn	12/2022 - present Master of Science student ums, 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 Neuro	09/2018 – 09/2022 Bachelor of Science degree
High school. Hoang Le Kha High School For The Gifted, Vietnam. Graduated: good highschool diploma Publications and preprints	06/2015-06/2018
	The Company of the Company
 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 Dynas 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 AI4Code 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. **DIGIME PTE. LTD**: Al Developer 03/2023 - 12/2023 Working on digital image-video processing, object detection tasks with YOLO models. 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 Supervised by Prof. PhD. Le Hoai Bac on research topic of temporal knowledge graphs reasoning.

DoCS, FIT-HCMUS, VNU-HCMC: Undergraduated Research Student 06/2021 – 07/2022 Advised by **MS.c Le Ngoc Thanh** on research topic of link prediction on knowledge graphs.

More

VIASM: Winter school: Game theory & Combinatorial optimization 05/12/2023 - 06/12/2023 Was **participant** in Winter school of Game theory & Combinatorial optimization hosted by VIASM, HCMUS, & HaNoi University of science and technology

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

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