AN NGUYEN THE

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Homepage ◇ Email ◇ Linkedin ◇ Github ◇ Google Scholar

RESEARCH INTERESTS

My current research focuses on the fundamentals of Transformer models, with a particular emphasis on improving their efficiency and robustness. Besides, I'm also working on Equivariant models. Additionally, I have experience on research topics like Continual Learning and Mixture of Experts. I am also open to diversifying my research to various aspects in the future.

EDUCATION

Bachelor of Data Science and Artificial Intelligence, 2020 - 2024
Hanoi University of Science and Technology - ***Valedictorian***
Cumulative GPA: 4.0/4.0

High school degree, Bac Ninh Specialized High school 2017 - 2020
Major in Mathematics

RESEARCH EXPERIENCE

AI Research Resident Apr 2024 - Now
FPT Software AI Center *Hanoi, VietNam*
Advisors: Dr. Thieu Vo and Prof. Tan Nguyen

- Working on the fundamentals of Transformers and Equivariant models.

Research Member Sep 2022 - Jul 2024
Data Science Laboratory *BKAI, HUST*
Advisor: Dr. Linh Ngo Van

- Trained with many skills in Machine Learning and Statistics
- Currently working in Continual Learning research team

PUBLICATIONS

1. Minh Le, **An Nguyen***, Huy Nguyen*, Trang Nguyen*, Trang Pham*, Linh Van Ngo, Nhat Ho. Mixture of Experts Meets Prompt-Based Continual Learning . *Advances in Neural Information Processing Systems (NeurIPS 2024)*
2. Hoang V. Tran*, Thieu N. Vo*, Tho H. Tran, **An T. Nguyen**, Tan Minh Nguyen. Monomial Matrix Group Equivariant Neural Functional Networks . *Advances in Neural Information Processing Systems (NeurIPS 2024)*
3. Minh Le*, Tien Ngoc Luu*, **An Nguyen The***, Thanh-Thien Le, Trang Nguyen, Thanh Tung Nguyen, Linh Ngo Van, Thien Huu Nguyen. Adaptive Prompting for Continual Relation Extraction: A Within-Task Variance Perspective **Oral Presentation**. *AAAI Conference on Artificial Intelligence (AAAI 2025)*
4. Hoang V. Tran*, Thieu Vo*, **An Nguyen The***, Tho Tran Huu, Minh-Khoi Nguyen-Nhat, Thanh Tran, Duy-Tung Pham, Tan Minh Nguyen. Equivariant Neural Functional Networks for Transformers. *International Conference on Learning Representations (ICLR 2025)*

PREPRINTS

1. Thieu N. Vo*, Hoang V. Tran*, Tho Tran Huu, **An T. Nguyen**, Thanh Tran, Minh-Khoi Nguyen-Nhat, Duy-Tung Pham, Tan Minh Nguyen. Equivariant Polynomial Functional Networks . *Under review, arXiv:2410.04213*

AWARDS

- Scholarship for Students with Excellent Academic Records (6 semesters) - Hanoi University of Science and Technology
- Valedictorian certificate - Hanoi University of Science and Technology

- Outstanding valedictorians graduating from universities and academies in Hanoi in 2024
- Rising AI Pioneer 2024 - FPT Software AI Center

SKILLS

Programming	Python, Java
Technical	Math, Statistics, Machine Learning
Libraries	Numpy, Pandas, Pytorch, Scikit-learn, Selenium

LANGUAGE

Vietnamese	Native
English	Advanced (IELTS 7.5)

REFERENCES

- Professor Tan Nguyen - National University of Singapore (NUS)
- Dr. Thieu Vo - National University of Singapore (NUS)
- Dr. Linh Ngo Van - Data Science Laboratory, HUST