

# AN NGUYEN THE

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[homepage](#) ◊ [email](#) ◊ [linkedin](#) ◊ [github](#) ◊ [google scholar](#)

## OBJECTIVE

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A graduated student majoring in Data Science and Artificial Intelligence with an interest in Machine Learning.

## EDUCATION

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**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

## SKILLS

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

## LANGUAGE

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**Vietnamese** Native  
**English** Advanced (IELTS 7.5)

## RESEARCH EXPERIENCE

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

- Working on the fundamentals of State space models 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

## RESEARCH INTERESTS

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My current research focuses on the theoretical foundations of State space models and its connections to other fields. Besides, I'm also working on Equivariant models.

## PUBLICATIONS

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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)*

## PREPRINTS

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1. Hoang V. Tran\*, Thieu N. Vo\*, **An T. Nguyen\***, Tho Tran Huu, Minh-Khoi Nguyen-Nhat, Thanh Tran, Duy-Tung Pham, Tan Minh Nguyen. [Equivariant Neural Functional Networks for Transformers](#) . *Under review, arXiv:2410.04209*

2. 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**

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- Scholarship for Students with Excellent Academic Records - 6 semesters
- Valedictorian certificate - Hanoi University of Science and Technology
- Outstanding valedictorians graduating from universities and academies in Hanoi in 2024

## **REFERENCES**

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