

# Hao-Yuan He (何浩源)



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## EDUCATION

### School of Computer Science, Nanjing Tech University

B.Sc. degree of Computer Science.

2017 – 2021

### School of Artificial Intelligence, Nanjing University

M.Sc. student at LAMDA group. Advised by Prof. Ming Li.

2021 – 2024

### School of Artificial Intelligence, Nanjing University

Ph.D. student at LAMDA group. Advised by Prof. Ming Li.

2024 – Now

## WORK EXPERIENCE

### Research Intern, AI Lab, Tencent

2023.05 – 2023.07

I was working on the game AI of Honor of King (王者荣耀).

Shenzhen, China

## RESEARCH

My research interests lie in the field of machine learning, with a particular focus on weakly supervised learning and abductive learning.

- [1] [H.-Y. He](#) and M. Li, “Learning-Augmented Smooth Integer Programs with PAC-Learnable Oracles,” *arxiv:2602.02505*, 2026.
- [2] [H.-Y. He](#) and M. Li, “A Learnability Analysis on Neuro-Symbolic Learning,” in *NeurIPS*, 2025.
- [3] [H.-Y. He](#), Y. Liu, R.-B. Liu, Z. Xie, and M. Li, “Probabilistic Instance Dependent Label Refinement for Noisy Label Learning,” *Machine Learning*, 2025.
- [4] [H.-Y. He](#), H. Sun, Z. Xie, and M. Li, “Ambiguity-Aware Abductive Learning,” in *ICML*, 2024.
- [5] [H.-Y. He](#), W.-Z. Dai, and M. Li, “Reduced Implication-bias Logic Loss for Neuro-Symbolic Learning,” *Machine Learning*, 2024.
- [6] Z. Xie, Y. Liu, [H.-Y. He](#), M. Li, and Z.-H. Zhou, “Weakly Supervised AUC Optimization: A Unified Partial AUC Approach,” *TPAMI*, 2024.

## ACADEMIC SERVICE

### Conference Reviewer / PC Member

2023 – Now

ACML, IJCLR, ICLR, ICML, NeurIPS and AAAI

### Journal Reviewer

2023 – Now

Knowledge and Information Systems

## AWARDS

### Outstanding Graduate Student

2023, 2024

Nanjing University

### Winner Award

2022

International Algorithm Case Competition, Track of Data Selection and Label Correction

### First Price of Academic Scholarship

2022, 2023

Top 10%, Nanjing University

### National Encouragement Scholarship

2019

JiangSu Education Department

### The First Price of The Chinese Mathematics Competitions

2018, 2020

Chinese Mathematical Society