

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 I was working on the game AI of Honor of King (王者荣耀).	2023.05 – 2023.07 Shenzhen, China
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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 ACML, IJCLR, ICLR, ICML, NeurIPS and AAAI	2023 – Now
Journal Reviewer Knowledge and Information Systems	2023 – Now

AWARDS

Outstanding Graduate Student Nanjing University	2023, 2024
Winner Award International Algorithm Case Competition, Track of Data Selection and Label Correction	2022
First Price of Academic Scholarship Top 10%, Nanjing University	2022, 2023
National Encouragement Scholarship JiangSu Education Department	2019
The First Price of The Chinese Mathematics Competitions Chinese Mathematical Society	2018, 2020