

# HUANXUAN LIAO (廖桓萱)

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## 🎓 EDUCATION

**Institute of Automation, Chinese Academy of Sciences (CASIA), Beijing** 2023 – Now

M.S. in Computer Science. In NLP, Supervisor: Shizhu He

**North China Electric Power University (NCEPU), Beijing** 2019 – 2023

Bachelor of Engineering in Intelligence Science and Technology (Innovation Class). Ranking 1/13

## 💡 RESEARCH INTERESTS

- Large Language Model / Multimodal Large Language Model
- [Long Context Modeling & Length Extrapolation](#)
- Natural Language Reasoning / Question Answering
- Compression / KV Cache

## 📖 PUBLICATIONS

(\* stands for equal contribution; Listed in reverse chronological order.)

[7] [Huanxuan Liao](#), Shizhu He, Yupu Hao, Xiang Li, Yuanzhe Zhang, Kang Liu, Jun Zhao. [SKIntern: Internalizing Symbolic Knowledge for Distilling Better CoT Capabilities into Small Language Models](#). (COLING 2025, CCF-B)

[6] [Huanxuan Liao](#), Shizhu He, Yao Xu, Yuanzhe Zhang, Kang Liu, Jun Zhao. [Neural-Symbolic Collaborative Distillation: Advancing Small Language Models for Complex Reasoning Tasks](#). (AAAI 2025, CCF-A)

[5] Yupu Hao, Pengfei Cao, Zhuoran Jin, [Huanxuan Liao](#), Yubo Chen, Kang Liu, Jun Zhao. [CITI: Enhancing Tool Utilizing Ability in Large Language Models without Sacrificing General Performance](#). (AAAI 2025, CCF-A)

[4] [Huanxuan Liao](#), Shizhu He, Yao Xu, Yuanzhe Zhang, Yanchao Hao, Shengping Liu, Kang Liu, Jun Zhao. [From Instance Training to Instruction Learning: Task Adapters Generation from Instructions](#). (NeurIPS 2024, CCF-A)

[3] [Huanxuan Liao](#), Shizhu He, Yao Xu, Yuanzhe Zhang, Kang Liu, Shengping Liu, Jun Zhao. [Imagination Augmented Generation: Learning to Imagine Richer Context for Question Answering over Large Language Models](#). (COLING 2025, CCF-B)

[2] Yixuan Weng, Zhiqi Wang, [Huanxuan Liao](#), Shizhu He, Shengping Liu, Kang Liu, Jun Zhao. [LMTuner: An user-friendly and highly-integrable Training Framework for fine-tuning Large Language Models](#). (Preprint, 2023)

[1] [Huanxuan Liao](#), Shizhu He, Yao Xu, Kang Liu, Jun Zhao. [Dynamic Weighted Neural Bellman-Ford Network for Knowledge Graph Reasoning](#). (CCKS 2023, Springer)

## ♡ AWARDS AND SCHOLARSHIPS

### Scholarships & Awards

Beijing Outstanding Graduate Awards, Beijing Ministry of Education	Jun. 2023
China National Scholarship ( <i>top scholarship in China; 0.2% domestically</i> ), Ministry of Education	Dec. 2022
China National Scholarship ( <i>top scholarship in China; 0.2% domestically</i> ), Ministry of Education	Dec. 2021
SiFang Society Scholarship, NCEPU	Dec. 2020

### Competition

National Third Prize, Information Security Competition	Aug. 2022
National Excellence, College Student Innovation and Entrepreneurship Project	Dec. 2021
Beijing Third Prize, Internet +	Aug. 2021

## 🔗 PROFESSIONAL SERVICES

Conference Reviewing: ARR 2024