

# HUANXUAN LIAO (廖桓萱)

✉ [huanxuanliao@gmail.com](mailto:huanxuanliao@gmail.com) · ☎ 18073611917 · 🌐 [Xnhyacinth](https://xnhyacinth.github.io/) · 🔗 <https://xnhyacinth.github.io/>

## 🎓 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.)

[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. (Preprint, 2024)

[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. (Preprint, 2024)

[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](#). (Preprint, 2024)

[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](#). (Preprint, 2024)

[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)

## 💖 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