

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.)

[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

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|---|-----------|
| Beijing Outstanding Graduate Awards, Beijing Municipal Commission 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

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| National Third Prize, Information Security Competition | Aug. 2022 |
| Beijing Third Prize, Internet + | Aug. 2021 |
| Beijing Bronze Award, Challenge Cup | Jul. 2021 |

🔗 PROFESSIONAL SERVICES

Conference Reviewing: ARR 2024