# 廖桓萱

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## 🎓 教育背景

**中国科学院大学自动化研究所**, 北京                                      2023 – 至今
在读硕士研究生 模式识别, 自动化研究所模式识别国家重点实验室，导师何世柱

**华北电力大学**, 北京                                                    2019 – 2023
学士 智能科学与技术 (创新), 1/13

## 💡 研究兴趣

- 大模型/多模态大模型
- 长上下文建模
- 推理，问答，压缩，KV Cache

## 📖 主要文章

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

[11] **Huanxuan Liao**, Shizhu He, Yupu Hao, Jun Zhao, Kang Liu. DATA: Decomposed Attention-based Task Adaptation for Rehearsal-Free Continual Learning. (Preprint, 2025)

[10] Wangtao Sun, Haotian Xu, **Huanxuan Liao**, Xuanqing Yu, Zhongtao Jiang, Shizhu He, Jun Zhao, Kang Liu. VaiBot: Shuttle Between the Instructions and Parameters of Large Language Models. (Preprint, 2025)

[9] Xiangnnan Wu, Shizhu He, **Huanxuan Liao**, Jun Zhao, Kang Liu. Differentiated Instruction for Student Language Models: Contrastive Error Self-Correction via Refinement Feedback of Large Language Models. (Preprint, 2025)

[8] Yupu Hao, Pengfei Cao, Zhuoran Jin, **Huanxuan Liao**, Yubo Chen, Kang Liu, Jun Zhao. Evaluating Personalized Tool-Augmented LLMs from the Perspectives of Personalization and Proactivity. (Preprint, 2025)

[7] **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)

[6] 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)

[5] **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)

[4] **Huanxuan Liao**, Shizhu He, Yao Xu, Yuanzhe Zhang, Kang Liu, Shengping Liu, Jun Zhao. Awakening Augmented Generation: Learning to Awaken Internal Knowledge of Large Language Models for Question Answering. (COLING 2025, CCF-B)

[3] **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)

[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)

## ♡ 获奖情况

**奖学金**

| | |
|---|---|
| 北京优秀毕业生 | 2023 年 6 月 |
| 国家奖学金 | 2022 年 12 月 |
| 国家奖学金 | 2021 年 12 月 |
| 四方社会奖学金 | 2020 年 12 月 |

**竞赛**

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|---|---|
| 国家三等奖, 信息安全竞赛 | 2022 年 8 月 |
| 国家级优秀, 全国大学生创新创业项目 | 2021 年 12 月 |
| 北京市三等奖, 互联网 + | 2021 年 8 月 |

## ◇ 专业服务

**会议审稿**: ACL ARR 2024, 2025.

**开源社区**: Awesome-LLM-Long-Context-Modeling: 1.2k+ Stars.