

# 廖桓萱

✉ huanxuanliao@gmail.com · ☎ 15575986157 · 🌐 Xnhyacinth · 🌐 https://xnhyacinth.github.io/

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

## 👨‍💻 实习/项目经历

蚂蚁集团北京 2024 年 10 月 – 2025 年 3 月  
实习 研究型实习生 (超长上下文)  
基于全局和局部的提示词压缩  
• 实现了基于 Qformer 和 MLP 的动态路由 soft token 全局压缩和基于分类的 hard token 局部压缩  
长上下文建模综述  
• 基于自己的长上下文建模仓库完成综述撰写  
KV Cache Channel 压缩  
• 对 token 进行动态 channel 裁剪 (topk 和 topp) 而不是只针对长度压缩, 同时考虑恢复裁剪的 channel

## 💡 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.)

- [12] A Comprehensive Survey on Long Context Language Modeling. (Preprint, 2025)
- [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, Yuezhe 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, Yuezhe 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

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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

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

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会议审稿: ACL ARR 2024, 2025.

开源社区: Awesome-LLM-Long-Context-Modeling 1.3k+ Stars.