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 NLPR, 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. (Preprint, 2024)

[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 *(top scholarship in China; 0.2% domestically)*, Ministry of Education	Dec. 2022
China National Scholarship *(top scholarship in China; 0.2% domestically)*, 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