

Yueyan Li

School of Artificial Intelligence
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Education

Beijing University of Posts and Telecommunications Fall 2024 - Present
Ph.D in Intelligent Science and Technology

Beijing University of Posts and Telecommunications Fall 2020 - Fall 2024
B.S. in Electronic Information Engineering

- GPA: 3.7/4.0
- Beijing Excellent (Bachelor) Graduate (top 5%)
- The 13th National College Students' Mathematics Competition (Beijing Division)/Second Prize
- 2022 Interdisciplinary Contest In Modeling/Honorable Mention

Experience

Zhipu.AI, Inc October 2023 – May 2024
Intern *Mentor: Xiao Liu*

*(Phase I) Participated in the development of **GLM-4**, responsible for model fine-tuning and alignment work.*

- Trained and optimized the PRM (Process-Supervised Reward Model).
- Implemented the decoding algorithm with PRM-supervised sampling (Stepwise Generation).
- Trained and evaluated Math CritiqueLLM, a scoring model for mathematical tasks.

*(Phase II) Participated in the development of **AutoGLM**.*

- Participated in the design of the Android Agent pipeline.
- Responsible for the maintenance of the icon library.

Research

Beijing University of Posts and Telecommunications
Student *Supervised by Caixia Yuan and Xiaojie Wang*

Mechanistic Interpretability *September 2024 - January 2025*

- Purposed **circuit-tuning**, an algorithm for fine-tuning in a mechanistic way.
- Provided an analysis on training dynamics and revealed the self-organization mechanism behind learning.

Persona Dialogue *April 2023 - December 2024*

- Designed a two-stage pipeline for persona dialogue based on BART and BERT.

Publications

1. Yifan Xu, Xiao Liu, Xinghan Liu, Zhenyu Hou, **Yueyan Li**, Xiaohan Zhang, Zihan Wang, Aohan Zeng, Zhengxiao Du, Zhao Wenyi, Jie Tang, Yuxiao Dong. *ChatGLM-Math: Improving Math Problem-Solving in Large Language Models with a Self-Critique Pipeline*. Conference on Empirical Methods in Natural Language Processing (**EMNLP**), 2024.
2. (Team GLM) Aohan Zeng, Bin Xu, Bowen Wang, Chenhui Zhang, Da Yin, Diego Rojas, Guanyu Feng, Hanlin Zhao, Hanyu Lai, Hao Yu, Hongning Wang, Jiadai Sun, Jiajie Zhang, Jiale Cheng, Jiayi Gui, Jie Tang, Jing Zhang, Juanzi Li, Lei Zhao, Lindong Wu, Lucen Zhong, Ming-yue Liu, Minlie Huang, Peng Zhang, Qinkai Zheng, Rui Lu, Shuaiqi Duan, Shudan Zhang, Shulin Cao, Shuxun Yang, Weng Lam Tam, Wenyi Zhao, Xiao Liu, Xiaoyu Xia, Xiaohan Zhang, Xiaotao Gu, Xin Lv, Xinghan Liu, Xinyi Liu, Xinyue Yang, Xixuan Song, Xunkai Zhang, Yi An, Yifan Xu, Yilin Niu, Yuantao Yang, **Yueyan Li**, Yushi Bai, Yuxiao Dong, Zehan Qi, Zhaoyu Wang, Zhenyi Yang, Zhengxiao Du, Zhen-Ping Hou and Zihan Wang. *ChatGLM: A Family of Large Language Models from GLM-130B to GLM-4 All Tools*. (ArXiv)

Technical Skills

Languages: IELTS: 7.0

Frameworks: Pytorch

Developer Tools: Python, Matlab, C/C++