Jiazheng Li

📍 Beijing, China ✉ Foreverlasting1202@outlook.com 📞 +86-13757736767 ⎆ foreverlasting1202

Education

Beijing Institute of Technology *Sep 2021 – Jun 2025*
B.S. in Artificial Intelligence at the School of Computer Science
- GPA: 3.7/4.0

Tsinghua University *Sep 2025 – Current*
Ph.D. in Computer Science at College of Artificial Intelligence
- Advisor: Jingzhao Zhang

Research Interests

My research focuses on machine learning, both on the theoretical and empirical sides. On the theoretical side, I enjoy conducting various experiments and constructing appropriate and realistic theoretical frameworks based on the results. On the empirical side, I have hands-on experience with supervised fine-tuning of large-scale LLMs and reinforcement learning. Recently, I have been particularly interested in the optimization aspect of LLM pre-training and the RL aspect of post-training.

I have worked on topics including:
- Scalable Model Merging.
- Optimization Algorithm for LLM.
- Training Dynamics of Neural Networks.
- Reasoning Large Language Model.
- Multi turn Agent.

Experience

Research Intern *Beijing, China*
RL Lab, Ant Group *Apr 2025 – Current*
- Improved Reasoning LLM with RL, boosting a 1.5B model's AIME24 and AIME25 scores to 72.5 and 62.3, up over 10 points.
- Attempted to enhance Reasoning LLM using the approach of multi-turn agent.

Publications

QuestA: Expanding Reasoning Capacity in LLMs via Question Augmentation 2025

Jiazheng Li, Hongzhou Lin, Hong Lu, Kaiyue Wen, Zaiwen Yang, Jiaxuan Gao, Yi Wu, Jingzhao Zhang

Data Mixing Can Induce Phase Transitions in Knowledge Acquisition Spotlight, NIPS 2025

Xinran Gu, Kaifeng Lyu, ***Jiazheng Li***, Jingzhao Zhang

Scalable Model Merging with Progressive Layer-wise Distillation Poster, ICML 2025

Jing Xu, ***Jiazheng Li***, Jingzhao Zhang
Forty-Second International Conference on Machine Learning

NeuralDB: Scaling Knowledge Editing in LLMs to 90,000 Facts with Neural KV Database 2025

Weizhi Fei, Hao Shi, Jing Xu, Jingchen Peng, ***Jiazheng Li***, Jingzhao Zhang, Bo Bai, Wei Han, Zhenyuan Chen, Xueyan Niu

Projects

What-s-up Chat Software Development ↗
- Developed a Chat Software.
- Backend communication.
- Functional testing.
- Debugging.

Awards (Selected)

The 2022 ICPC Asia Hefei Regional Contest | *Gold Medal*	Nov 2022
2022 China Collegiate Programming Contest, Weihai Site | *Silver Medal*	Nov 2022
2022 China Collegiate Programming Contest, Guangzhou Site | *Silver Medal*	Nov 2022
The 2022 ICPC Asia Nanjing Regional Contest | *Silver Medal*	Dec 2022
2023 China Collegiate Programming Contest, Invitational Contest (Hunan) | *Golden Medal*	May 2023
The 2023 ICPC Asia Xian Regional Contest | *Silver Medal*	Nov 2023
2023 China Collegiate Programming Contest, Shenzhen Site | *Silver Medal*	Nov 2023

Technologies

Languages: C++, C, Java, Python, SQL.