Wenshuo Zhao

https://edric-zhao.github.io/edric-home-page/

EDUCATION

Zhejiang University

B.S. in Computer Science and Technology; GPA: 90.4/100

Hangzhou, China

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Sep. 2022 - Present

Research Experience

University of Massachusetts Amherst

Massachusetts USA Feb. 2025 - Present

Research Assistant

• **Topic**: LLM reasoning efficiency

• I am under the supervision of Prof. Chuang Gan.

ZJU-Scaling Logger

Hangzhou China

Nov. 2024 - Present

Undergraduate Intern

o **Topic**: LLM RL training and reasoning efficiency

- I am leading this research project as the **independent first author**.
- o I am under the supervision of Prof. Linchao Zhu.

CausalML Lab Hangzhou China Undergraduate Intern Jul. 2024 - Feb. 2025

• Topic: LLM attention mechanism.

- LLM is guided by the strong supervision of the teacher model to assign higher weights to key tokens.
- I was under the supervision of Prof. Kun Kuang.

Interactive Data Group

Hangzhou China

Aug. 2023 - Jun. 2024

Undergraduate Intern

- **Topic**: LLM's problem-solving ability.
- Use LLM as sports agent to simulate tactic adversarial interactions.
- Model sentiment analysis of social media and pilot it in the enterprise.
- I was under the supervision of Prof. Yingcai Wu.

Publications

[1] (EMNLP 2025 Under Review) MuTIS: Enhancing Reasoning Efficiency through Multi-Turn Intervention Sampling in Reinforcement Learning

Wenshuo Zhao, Haoxing Zhai, Xinyu Qiu, Zhenting Qi, Shuhe Li, Linchao Zhu The 2025 Conference on Empirical Methods in Natural Language Processing

[2] (NeurIPS 2025 Under Review) Steering LLM Thinking with Budget Guidance

Junyan Li, Wenshuo Zhao, Yang Zhang, Chuang Gan

The Thirty-Ninth Annual Conference on Neural Information Processing Systems

[3] (EMNLP 2025 Under Review) CAT: Causal Attention Tuning For Injecting Fine-grained Causal Knowledge into Large Language Models

Kairong Han, Wenshuo Zhao, Ziyu Zhao, Ye Jun Jian, Lujia Pan, Kun Kuang.

The 2025 Conference on Empirical Methods in Natural Language Processing

[4] (IEEE Vis 2025 Under Review) Insighter: Enhancing Reasoning of Sports Tactical Visualization with LLM Visual-Text Linking

Ziao Liu, Wenshuo Zhao, Xiao Xie, Angi Cao, Yihong Wu, Hui Zhang, Yingcai Wu.

The premier forum for advances in visualization and visual analytics

[5] (IEEE Vis 2024) Smartboard: Visual Exploration of Team Tactics with LLM Agent Ziao Liu, Xiao Xie, Moqi He, Wenshuo Zhao, Yihong Wu, Liqi Cheng, Hui Zhang, Yingcai Wu. The premier forum for advances in visualization and visual analytics

• Campus Star Award for the Ten Most Outstanding Students in the College of Computer Science and Techn	Hangzhou China nology May. 2025
National Golden Prize 14th "Challenge Cup" National College Students' Competition(Top 260 out of more than 390)	Xian China Oct. 2024
National Third Prize China Collegiate Computing Contest - AIGC Innovation Competition	Tianjin China Aug. 2024
Project Leader National College Students' Innovation and Entrepreneurship Training Program	Hangzhou China <i>Apr 2024</i>
• Third Prize • Physics Innovation Competition for University Undergraduates of Zhejiang Province	Hangzhou China Dec 2023
Scholarship of Leading Achievements Got a scholarship in Chu Kochen Honors College	Hangzhou China Sep. 2023
First Prize Zhejiang University Scholarship(Top 3%)	Hangzhou China Sep. 2023
Additional Information	
Director of the Communist Youth League Committee College of Computer Science and Technology, Zhejiang University	Hangzhou, China Sep. 2024 - Jun. 2025
Head of the International Exchange Department Student Union, Chu Kochen Honors College, Zhejiang University	Hangzhou, China Sep. 2023 - Jun. 2024
Red Cross One-Star Volunteer My volunteer hours exceed 300 hours	Zhejiang, China Oct. 2023
Top 100 National University Student Summer Social Practice Teams Leader of this social practice team	Beijing, China Aug. 2023
Programming Skills	
• Languages: Python, Javascript, C/C++, SQL, HTML Technologies: OpenRLE	HF, veRL, React, Vue