Zijian Zhang

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Github: https://github.com/zzj1111

Research Interests

My research interests include alignment for LLM (especially data-efficient alignment for LLM), synthesizing high-quality data for LLM, and interpreting and evaluating the capability of LLM

Education

East China University of Science and Technology, Shanghai, China 09/2021 - present
Bachelor of Computer Science
Main courses: Advanced mathematics (98), Linear algebra(100), Principles of computer composition(99), Object-oriented programming (99), Fundamentals of compiling (90), Operating system (96)
Major GPA: 3.85/4

Research Experience

Research Intern, Shanghai Artificial Intelligence Lab (Top-tier national AI lab in China) 11/2023 – present
Participated in the research and development of InternLM/InternLM2, which are well-known open source LLM.

-- Introduced an efficient data selection method, which could select high quality data from the original SFT dataset of InternLM2. Fine-tuned InternLM2 with the top 10% of highest-scoring examples and yielded better results than using the entire instruction dataset.
-- Solved the Identity hallucination in InternLM. Constructed a special finetune dataset to enhance the cognitive ability of the model. Introduced a benchmark to Evaluate the model's ability to resist prompt attacks.
-- Wrote an internal report on synthesizing finetune dataset. Conducted an internal technical presentation.

Advisor: Ph.D. Yining Li, Ph.D. Tao Jiang

Research Intern, Shanghai metaverse Digital Technology Co., LTD 07/2023-08/2023
Participated in the research and development of metaverse avatar model

-- Optimized the Wav2Lip model's capabilities in Chinese scene by 14%, made the model up to commercial level
-- Collected the CMLR data set, constructed dataset PreprocessedCMLR suitable for Wav2Lip training, and posted them on GitHub page, and obtained dozens of stars

Honors and Awards

Scholarship for Outstanding Students, **First Prize**, East China University of Science and Technology
National Scholarship, Ministry of Education
National Mathematics Competition for college students, **First Prize**
Suzhou Industrial Park Scholarship, Suzhou government
Outstanding student leaders, East China University of Science and Technology

Skills

- Programming Skills: C/C++, Python, PyTorch, Git, Java
- Language Skills: Mandarin (native), English (GRE 320: V151, Q159)