

# Zijian Zhang

Email: [makikoqag@gmail.com](mailto:makikoqag@gmail.com), [21013097@mail.ecust.edu.cn](mailto:21013097@mail.ecust.edu.cn)

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
- Collated 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)