Zhang Shenglang

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Education

University of Science and Technology of China / USTC *Sept 2022 – Jun 2026*
B.S. in Artificial Intelligence *(expected)*
Honored Program: School of Gifted Young

- **GPA: 3.94/4.3** (rank #**3**/**74** in AI-major students)
- **Coursework:**

Linear Algebra	92	Probability Theory and Mathematical Statistics	96
Information Theory	93	Machine Learning	90
Operations Research	96	Signals and Systems	96

Research Interest

- My research focuses on **Trustworthy AI**. Specifically, I work on high-efficiency LLMs, including knowledge distillation algorithms and difficulty-aware training for reasoning models, aiming to develop fast and compact reasoning models. I am also highly interested in optimization and learning theory.

Experience

Knowledge Distillation for Large Reasoning Model *Mar 2025 – Present*
Prof. Jiancan Wu & Prof. Xiangnan He, LDS Lab, USTC

- Analyzed knowledge distillation and online Reinforcement Learning with Human Feedback (RLHF) algorithms proposed recently, and built a custom framework for LRM knowledge distillation.
- Spearheading experiments (reproduction, model post-training and ablation) in veRL framework.

Personalized Egocentric video understanding *Jul 2025 – present*
Dr. Junbin Xiao & Prof. Angela Yao, CVML Group, NUS

- Managed the complete data annotation pipeline, responsible for video acquisition, QA-theme design, and the refinement of submitted human labels.
- Designing and implementing an experimental framework by analyzing key technical challenge of personalized MLLM.

Projects

Deep Learning for Circuit Logic Optimization *Jan 2025*

- Designed and implemented a neural network-based node classification system for logic circuit analysis.
- Developed the network and implemented backward propagation and Adam optimizer from scratch.
- Implemented a novel technique for long-tailed distribution, improving F1 score by about 20% .

Honors and Awards

Cyrus Tang Moral Education Scholarship 2022-2025
Scholarship for Elite Students' class of AI - top 5% students majoring in AI 2023, 2024
Outstanding Student Scholarship - top 15% students in School of Gifted Young 2023, 2024

Skills

Programming: Python, C/C++, Matlab
Techniques and Tools: Pytorch, veRL, TRL, OpenMP, LaTeX
Language: Mandarin Chinese (Native), English (TOEFL: 102), Hakka (Native)