# Zhang Shenglang

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## Education

**University of Science and Technology of China / USTC** *Sept 2022 – Present*
*Artificial Intelligence*

- **GPA: 3.96/4.3** (rank **#3/74** in Artificial Intelligence students)
- **Coursework:**

| | | | |
|---|---|---|---|
| Linear Algebra | 92 | Probability Theory and Mathematical Statistics | 96 |
| Signals and Systems | 96 | Machine Learning | 90 |

## 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

## Experience

**LLM Knowledge Distillation** *Mar 2025 – Present*
*Prof. Xiangnan He & Dr. Jiancan Wu, LDS Lab, USTC*

- Investigated knowledge distillation techniques in LLM era, studied relevant papers, and conducted reproduction about them.
- Analyzed knowledge distillation algorithms proposed recently, and attempt to build a custom framework for knowledge distillation.

**Practice of Deep Learning** *Sept 2024 – Jan 2025*
*Prof. Hongtao Xie, IMCC Lab, USTC*

- Conducted in-depth survey on deep learning and large language models, including ego-centric video-LLMs and LLM knowledge distillation.
- Implemented model fine-tuning techniques to optimize pre-trained ResNet performance on CIFAR-100, achieving measurable accuracy improvements.
- Took literature review of video understanding models and LLM knowledge distillation framework, and prepare to conduct experimental replication.

## Projects

**Logic Optimization** *Dec 2024 - Jan 2025*

- Designed and implemented a neural network-based node classification system for logic circuit analysis.
- Developed the network architecture from scratch, implementing core components including forward/backward propagation algorithms and Adam optimization with learning rate scheduling.
- Proposed and implemented a novel class-imbalance handling technique, improving minority class recognition by about 20% while maintaining overall accuracy.

## Skills

**Programming:** Python, C++, C, Matlab

**Techniques and Tools:** Pytorch, OpenGL, Latex, Git, Linux