

# XIANGYUAN XUE

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## 🎓 Education

### Shanghai Jiao Tong University

September 2021 - June 2025 (Expected)

Bachelor of Engineering in Artificial Intelligence (Honor Class)

Shanghai, China

› **GPA 95.44/100, Rank 1/94**

› A+ Courses: Mathematical Analysis, Linear Algebra, Linear and Convex Optimization, Stochastic Processes, Design and Analysis of Algorithms, Deep Learning and Its Applications, and 31 others

## 🏆 Selected Honors

### National Scholarship (Three Times)

December 2022, 2023, 2024

› Awarded to top 0.2% students nationwide, funded by the Chinese Ministry of Education

### First-Class Academic Excellence Scholarship (Three Times)

December 2022, 2023, 2024

› Highest academic scholarship awarded to top 1% students in Shanghai Jiao Tong University

### Guozhi Class Program Membership

November 2021

› Training [program](#) for top-notch talents in AI jointly established by SJTU and Shanghai AI Lab

### Zhiyuan Honor Program Membership

September 2021

› Honor [program](#) dedicated to cultivate scientific leaders in Shanghai Jiao Tong University

## ⚙️ Research Experience

### ComfyBench: Benchmarking LLM-based Agents in ComfyUI for Autonomously Designing Collaborative AI Systems

Summer 2024

Research Internship at Shanghai AI Lab

Advisor: Prof. Wanli Ouyang & Dr. Lei Bai

› Propose a benchmark for LLM-based agents to autonomously design collaborative AI systems in ComfyUI, along with a well-performing multi-agent framework to solve the tasks. The paper is submitted to CVPR 2025 and is still under review. Preprint is available on [arXiv](#) as the first author.

### MetaScript: Few-Shot Handwritten Chinese Content Generation via GANs

Fall 2023

Computer Vision Course Project of Shanghai Jiao Tong University

Advisor: Prof. Wei Shen

› Lead the project throughout literature research, method design, and PyTorch implementation. Advanced generator and discriminator networks, together with loss functions, are proposed to improve the quality of generated characters within several style references. The project is open-sourced on [Github](#).

## 👛 Internship Experience

### Shanghai Artificial Intelligence Laboratory

May 2024 - Present

Trainee Researcher, AI for Science Group

Shanghai, China

› Research on the AI application in scientific research, especially in the field of Earth Science. Explore the potential of LLM agents in general generative tasks, producing the GenAgent work.

## 🍃 Skills

› **Languages:** Chinese (Native), English (CET-6 619, TOEFL 98)

› **Programming Skills:** C++, C# (WinForm), Python (PyTorch), LaTeX

› **Expertise:** Computer Vision, Natural Language Processing, Reinforcement Learning, Data Mining