

# XIYUAN YANG

[yangxiyuan@sjtu.edu.cn](mailto:yangxiyuan@sjtu.edu.cn) ◇ Shanghai Jiao Tong University ◇ Shanghai, China

Github: [xiyuanyang-code](https://github.com/xiyuanyang-code)

Online Resume: <https://xiyuanyang-code.github.io/resume/>

## EDUCATION

---

### Shanghai Jiao Tong University

Shanghai, China

Bachelor's degree, School of artificial intelligence

09/2024 - present (Still freshman year)

GPA: 4.12/4.3 (**Ranked 1 out of 62**)

Score: 93.6/100

Scholarships: Zhiyuan Honor Scholarships

Highly-Graded Major courses:

1. Linear Algebra (Honor): A+ (98)
2. Fundamental of Programming (Honor): A+ (98)
3. College Physics: A+ (96)
4. Introduction to Artificial Intelligence: A+ (95)

**16** courses achieved A/A+, including **all major-related courses**, with **8** courses earning A+.

### High school affiliated to Nanjing Normal University

Nanjing, China

09/2021 - 06/2024

## TECHNICAL PROJECTS

---

### Data\_Structure\_Awesome (C++)

<https://github.com/xiyuanyang-code/Data-Structure-Awesome>

C++ implementations of various data structures and classic algorithms. As the final project for **CS0501H** (with ACM Honor Class students), I implemented several STL containers, including `std::vector`, `std::list`, `std::priority_queue`, `std::linked_hashmap` and `std::map`, with the total repository code exceeding **12,000 lines**.

### Camel multi-agent English Essay Revision helper (Python)

<https://github.com/xiyuanyang-code/Camel-Agent-English-Essay-Revision>

As an enthusiast of multi-agent systems, I implemented a collaborative blog post revision system using Camel-AI's multi-agent framework. In practical use, this system outperforms simple prompt engineering with a single LLM.

### Vosk-Based Voice Translation (Python)

[https://github.com/xiyuanyang-code/voice\\_translation](https://github.com/xiyuanyang-code/voice_translation)

A Vosk-based Chinese-English bilingual speech recognition Python Application.

### My Technical Blog (HTML)

<https://xiyuanyang-code.github.io>

Maintainer of [my technical blog](#). I regularly publish technical content focusing on computer science and AI. To [date](#), I have authored **over 100 articles with a cumulative word count exceeding 340,000 words**.

I am always an active committer on [GitHub](#) with more than 20 open-sourced repositories. I'm passionate about engineering projects and a strong advocate for open-source philosophy.

SKILLS

---

**Programming Languages:** Python (Proficient), C++ (Proficient), C, HTML, CSS, JavaScript, Rust.  
**Tools:** Git, LaTeX, Shell, Docker.  
**Python Modules:** Torch (Proficient), Numpy, Pandas, Matplotlib.  
**ML & DL:** Familiar with Deep Learning architectures and model training techniques.  
**Languages:** Chinese (native), English (fluent, CET-4: 611).

RESEARCH

---

My research interests lie in **Multi-Agent Systems** and **LLM Reasoning**.  
**Undergraduate Research Assistant**, MediaBrain, SJTU, supervised by Siheng Chen.

AWARDS AND CERTIFICATIONS

---

<b>Zhiyuan Honor Scholarships</b>	2024
<b>Honorable Mention in MCM</b>	2025
Honorable Mention, COMAP Mathematical Contest in Modeling / Interdisciplinary Contest in Modeling (MCM/ICM). 2025-C: Models for Olympic Medal Tables.	