

XIYUAN YANG

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: 4.1/4.3 (**Ranked 1 out of 62**)

Scholarships: Zhiyuan Honor Scholarships

Highly-Graded Major courses:

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

High school affiliated to Nanjing Normal University

Nanjing, China

09/2021 - 06/2024

SKILLS

Programming Languages: Python (Proficient), C++ (Proficient), C, HTML, 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).

TECHNICAL PROJECTS

Data_Structure_Awesome (C++)

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

The C++ implementation 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**.

RAG Blog Content Retrieval (Python)

https://github.com/xiyuanyang-code/RAG_blog_content_retrieval

Using **RAG (Retrieval-Augmented Generation)**, I implemented a system to crawl and retrieve content from specific blogs, along with a simple web UI frontend, enabling LLMs to efficiently search and access the target blog's content.

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.

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.

RESEARCH

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

EXTRACURRICULAR

Several landmark courses learned after class, including **Introduction to Algorithms** (MIT 6.006), **Fundamentals of Machine Learning**, **Large Language Model Agents** (Berkeley, CS294/194-196), etc.
Through these, I’ve developed foundational knowledge in traditional machine learning, deep neural networks, and agent architectures.

AWARDS AND CERTIFICATIONS

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