

Zexi Zhang

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Education

Beijing University of Technology

B.Eng in Artificial Intelligence(junior at present)

September 2021 – Present

Beijing, China

- **GPA:** 85/100, Rank 12/60
- **A+ Courses:** Python Programming, Database Principles, ML Lab and 3 others
- **Open Courses:** CMU CS15213 : CSAPP, Stanford CS229 : Machine Learning
- **English:** College English Test (CET-6) - 588
- **Awards:** First prize at the provincial level in the 2023 Contemporary Undergraduate Mathematical Contest in Modeling (CUMCM)

Skills

Programming Languages: Python (proficient), C++ and TypeScript

Tech Skills: Next.js, Git, PyTorch, SQL, Alibaba Cloud and etc.

Internship Experience

MemoMusic 3.0: Considering Context at Music Recommendation and Combining Music Theory at Music Generation

February 2023 – April 2023

Research Intern in Luntian Mou's Lab, AI4H3 Team

Beijing, China

- Participate in the advancement of experiments, design algorithms.
- Responsible for the **front-end and back-end design** of data collection system, and integration.

Open-Source Contributions

Personal Projects

☆1.2k 🎧 Nagi-ovo

- **AAAMLN-CN** (☆909): Participated as a collaborator in the translation, correction, and online documentation construction of the Chinese version of "Approaching (Almost) Any Machine Learning Problem." 🎧
- **CHSI-Converter** (☆164): Toy projects made during learning Python, used Flask as the web framework and deployed it using Docker. 🎧
- **Cherno-CPP-Notes** (☆60): This project contains the notes I took while studying the modern C++ course by the-Cherno, and has set up online documentation. 🎧

Self-Intro

My English name is **Jesse**. I have studied in the UK for two years, hence I possess **fluent English communication skills**. I am particularly interested in the application areas of Large Language Models (LLM), AI agents, and ML/DL systems, and have strong practical abilities, capable of quickly mastering and applying various open-source tools.

I pay close attention to the latest trends in LLM and continuously learn, adhering to the Feynman learning method, recording knowledge and insights on my **personal blog: nagi.fun**.

During my study and practice, I have used frameworks such as **LangChain** and **LlamaIndex**, gaining a certain understanding of the principles of AI Agents, and have already implemented related projects on a simple level. Currently, I am delving into the underlying knowledge of Retrieval-Augmented Generation (**RAG**) and expanding my technical horizon by reading technical papers like NeMo-Guardrails.

To be honest, I have not had experience using **wandb** and **mlflow** in a production environment before. In fact, through active learning and practice in recent days, I have mastered the basic usage of these two tools.

I am an **interest-driven learner**, who not only loves exploring technology and knowledge but more importantly, I am eager to apply these insights and skills to solve real-world problems. I believe my technical background, practical abilities, and rapid learning capability of new knowledge enable me to communicate and cooperate smoothly in a team, jointly pushing the success of projects.

I am looking forward to this internship opportunity, hoping to join your team to explore the unknown fields of artificial intelligence and achieve more innovative breakthroughs together. **Honesty, frankness, and a down-to-earth working attitude** will be my commitment to the team.