Changshuo Shen

☐ +86 18790691295 | @ stephen_shen@mail.ustc.edu.cn or stephenshenc@gmail.com | ⚲ Hefei China

EDUCATION

University of Science and Technology of China — Hefei, China
A Junior Undergraduate in School of Artificial Intelligence and Data Science — *Sep 2023 – now*
Class of excellence for science and technology: **Yan Jici Talent Program in Physics** — *Sep 2022 – June 2023*

GPA: 3.91/4.3 (90.53/100)
Rank in Class: 6 / 51
Major: Data Science and Big Data Technology
Core Course: Linear Algebra B1 (A^+), Discrete Mathematics (A^+), Operations Research (A), Mathematical Analysis B1 (A), Foundations of Geometry (A), Function of Complex Variable B (A), Probability Theory and Mathematical Statistics (A^-), Computational Method (A^-), Principles and Techniques of Artificial Intelligence (A^+), Introduction to Data Analysis Programming (A^+), Fundamentals of Scientific Programming with Python (A), Data Structures (A), Introduction to Computing Systems A (A), Signals and Systems (A)

AWARD AND SCHOLARSHIP

- Outstanding Freshman Award(2022-2023) Grade 2(top 15%) — USTC 11/2022
- Basic Disciplines of The Top Plan Student Funding (Yan Jici Talent Program in Physics) — USTC 11/2022
- Di'ao Scholarship — USTC 11/2023
- Huawei Scholarship — USTC 11/2024
- National Encouragement Scholarship — USTC 11/2024
- Second Prize in the 15th National College Student Mathematics Competition — CMS 1/2024

RESEARCH INTERESTS

Large Language Models: Engaged in the development, optimization, and application of large language models to enhance their capabilities and utility.

AI Safety: Focused on risk assessment, mitigation strategies, and the ethical implications of AI to ensure safe and responsible AI deployment.

Explainability: Dedicated to improving interpretability, transparency, and understanding of AI models to foster trust and usability.

LLM Agents: Interested in autonomous systems, multi-agent systems, and agent-based modeling to advance the field of intelligent agents.

SKILLS

Programming Languages: Python, C, C++, R
Markup & Scripting Languages: LaTeX, Bash, HTML, CSS, JavaScript
Tools & Technologies: Git, Docker, SQL, Jupyter, Torch, Django
Soft Skills: Leadership, Team Collaboration, Problem-Solving, Communication, Public Speaking

HIGHLIGHTED EXPERIENCE

USTC-Software, IGEM Jamboree — Paris, France
Group Leader, Code Group — *October 2024*

- Served as the leader of the code group for USTC-Software, leading the development of both frontend and backend components, ensuring seamless integration and optimal performance.
- Deployed machine learning models on the platform to enhance data visualization and analysis features.
- Presented the platform in the IGEM Jamboree in Paris, showcasing its functionalities and unique features to a global audience.
- Engaged with international teams to exchange ideas, foster collaboration, and gather feedback for continuous improvement.

Department of Physics, HKUST Hong Kong, China

Exchange Program Participant *August 2023, one week*

- Engaged in an exchange program focusing on the intersection of machine learning and physics, including attending the "When Physics Meets Machine Learning" lecture series.
- Explored cutting-edge research and advancements in both fields under the mentorship of leading experts at HKUST.

USTC Hefei, China

Undergraduate Course Project

- Simulated nonlinear dynamical systems using Python, analyzing behaviors and visualizing results. 11/2023
- Collaborated with one classmate to design a GoBang model using Reinforcement Deep Learning, surpassing the performance of the teaching assistant's basic model. 6/2024
- Led a two-person team to design an English club communication platform using the Django framework, providing a user-friendly interface for members to interact and share resources. 7/2024
- Led a two-person team to implement a campus file resource retrieval system, incorporating Retrieval-Augmented Generation (RAG) techniques to enhance a locally deployable chatbot model. 12/2024
- Assisted in designing experiments for an undergraduate introductory Artificial Intelligence course, optimizing experimental workflows and improving the design of experiment objectives and materials. 3/2025

TEACHING ASSISTANT EXPERIENCES

- Discrete Mathematics(Undergraduate Course) 2024 Automn
- Linear Algebra(B1)(Undergraduate Course) 2025 Spring

EXTRACURRICULAR ACTIVITIES

USTC English Club Sep 2022 − Present

President *Sep 2023 − Sep 2024*

- Planned and coordinated club activities, summarized work, and evaluated outcomes.
- Organized the largest outdoor treasure hunt event in the club's history, the USTC Mystery Hunt.
- Managed the club's official account, designed promotional materials, and wrote publicity articles.

Department Basketball Team Sep 2022 − Present

Member *Sep 2022 − Present*

- Played in almost all basketball games at USTC, including the Freshman Basketball Tournament, Kexing Cup, and the Four-Nation Battle.

Fitness, Basketball, and Taekwondo Clubs Sep 2022 − Present

Member *Sep 2022 − Present*

- Participated in various fitness and sports activities, promoting a healthy and active lifestyle.

USTC Hosting Club Sep 2022 − Present

Member *Sep 2022 − Present*

- Hosted several university events, including "Beautiful Encounter", "Dance Star".
- Participated in and received awards in speech and recitation competitions, showcasing strong public speaking skills.