Changshuo Shen

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EDUCATION

University of Science and Technology of China — Hefei, China
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: 3.9/4.3 (90.42/100)   **Rank in Class:** 6 / 51
Major: Data Science and Big Data Technology
Core Course: Linear Algebra B1 (A^+), Discrete Mathematics (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 Award — USTC 11/2023
- Huawei Award — 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 (LLMs): Focused on the development, fine-tuning, and deployment of LLMs, aiming to improve their scalability, efficiency, and ethical alignment.

AI Safety and Interpretability: Dedicated to ensuring the safe and transparent use of AI systems by exploring model interpretability, robustness, and mitigation of potential risks in deployment.

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*
- Led the development of frontend and backend components, ensuring seamless integration and performance.
- Deployed ML models to enhance data visualization and analysis on the platform.
- Presented the project at IGEM Jamboree, showcasing its features to a global audience.

Department of Physics, HKUST — Hong Kong
Exchange Program Participant — *August 2023 (1 week)*
- Attended the "When Physics Meets Machine Learning" lecture series, exploring the intersection of ML and physics.
- Engaged in research discussions with HKUST experts on cutting-edge advancements.

USTC — Hefei, China
Undergraduate Course Projects
- 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