

Changshuo Shen

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EDUCATION

University of Science and Technology of China	Hefei, China
<i>A Sophomore Undergraduate in School of Artificial Intelligence and Data Science</i>	<i>Sep 2023 – now</i>
<i>Class of excellence for science and technology: Yan Jici Talent Program in Physics</i>	<i>Sep 2022 – June 2023</i>
GPA: 3.84/4.3	
Rank in Class: 6 / 49	
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
• Second Prize in the 15th National College Student Mathematics Competition	CMS 1/2024

RESEARCH INTERESTS

Large Language Models: Particularly interested in the development and optimization of large language models, including enhancing their accuracy, efficiency, and ethical implications.

Natural Language Processing: Enthusiastic about leveraging LLMs for various NLP tasks such as text generation, sentiment analysis, and language translation.

Machine Learning: Interested in applying advanced machine learning techniques to improve the training and performance of LLMs.

Ethics in AI: Passionate about exploring the ethical considerations and societal impacts of LLM deployment and ensuring responsible AI usage.

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

RESEARCH EXPERIENCE

Department of Physics, HKUST	Hong Kong
<i>Visiting Researcher</i>	<i>August 2023, one week</i>
<ul style="list-style-type: none">• Participated in lectures and seminars on the intersection of machine learning and physics, including the series "When Physics meets Machine Learning".• Gained insights into the latest advancements and research trends in both fields under the guidance of leading experts at HKUST.	
USTC	Hefei, China
<i>Undergraduate Course Project</i>	
• 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

TEACHING ASSISTANT EXPERIENCES

• Discrete Mathematics(Undergraduate Course)	2024 Automn
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EXTRACURRICULAR ACTIVITIES

USTC English Club	Sep 2022 – Present
<i>President</i>	<i>Sep 2023 – Sep 2024</i>
<ul style="list-style-type: none">• 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
<i>Team Member</i>	<i>Sep 2022 – Present</i>
<ul style="list-style-type: none">• 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
<i>Member</i>	<i>Sep 2022 – Present</i>
<ul style="list-style-type: none">• Participated in various fitness and sports activities, promoting a healthy and active lifestyle.	

STATEMENTS OF PURPOSE

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