

Changshuo Shen

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EDUCATION

University of Science and Technology of China <i>A Junior Undergraduate in School of Artificial Intelligence and Data Science</i> <i>Class of excellence for science and technology: Yan Jici Talent Program in Physics</i> GPA: 3.84/4.3 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)	Hefei, China <i>Sep 2023 – now</i> <i>Sep 2022 – June 2023</i>
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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
• 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.
AI4Science: Excited about the interdisciplinary applications of AI in scientific research, including accelerating discoveries in physics, chemistry, and biology through AI-driven models and simulations.

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 AND PROJECT EXPERIENCE

Department of Physics, HKUST <i>Exchange Program Participant</i> • 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.	Hong Kong <i>August 2023, one week</i>
USTC <i>Undergraduate Course Project</i> • Simulated nonlinear dynamical systems using Python, analyzing behaviors and visualizing results. • Collaborated with one classmate to design a GoBang model using Reinforcement Deep Learning, surpassing the performance of the teaching assistant’s basic model.	Hefei, China 11/2023 6/2024

TEACHING ASSISTANT EXPERIENCES

• Discrete Mathematics(Undergraduate Course)	2024 Automn
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EXTRACURRICULAR ACTIVITIES

USTC English Club <i>President</i> • 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.	Sep 2022 – Present <i>Sep 2023 – Sep 2024</i>
Department Basketball Team <i>Team Member</i> • Played in almost all basketball games at USTC, including the Freshman Basketball Tournament, Kexing Cup, and the Four-Nation Battle.	Sep 2022 – Present <i>Sep 2022 – Present</i>
Fitness, Basketball, and Taekwondo Clubs <i>Member</i> • Participated in various fitness and sports activities, promoting a healthy and active lifestyle.	Sep 2022 – Present <i>Sep 2022 – Present</i>