Changshuo Shen

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EDUCATION

University of Science and Technology of China   Hefei, China
A Sophomore 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: 3.84/4.3
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
Visiting Researcher   *August 2023, one week*

- 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
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

Teaching Assistant Experiences

- Thermodynamics(Undergraduate Course) 2024 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
Team 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.

Statements of Purpose

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