

# Hongxu Chen

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## Education

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**University of Science and Technology of China (USTC), undergraduate** Sep. 2021– Present

**School of the Gifted Young** Major: Data Science and Big Data Technology

Overall GPA: 3.51/4.30 (85.76/100) Ranking: 23/53

Core Courses: Mathematical Analysis B1&2(92/100), Linear Algebra(94/100), Algebra Fundamentals(95/100), Functions of a Complex Variable(92/100), Data Structure(93/100), Discrete Mathematics(90/100)

## Research Experience

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**Curriculum Project** Sep. 2021 - Present

- Building a dataset about Understanding-Shopping-Concepts, which includes multiple tasks generated by LLM with Large Parameters, and implementing post pre-training and SFT lora fine-tuning for the Yi-9B model to enhance the model's shopping concept understanding ability.
- Performing distributed supervised fine-tuning of ChatGLM-6B-base model on the Yelp\_full dataset for the task of rating prediction.
- Having studied and reproduced various classical models, such as GCN, ViT, TinyBERT and more.

## Project Experience

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**USTC LUNA TEAM** May. 2023 - Present

Advisor: Professor **Zhenya Huang & Qi Liu**

- Responsible for maintaining and optimizing the backend API of the educational resource analysis module on USTC LUNA AI Lab platform.
- Participated in graduate thesis review project of USTC and responsible for maintaining and optimizing the state machine for document rule checking.
- Provided a MooCCubeX education data analysis for Anhui Province Key Laboratory of Big Data Analysis and Application (BDAA).

## Leadership & Activities

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**Mathematics competition tutor in Hefei No. 6 High School** Sep. 2023 - Present

- Responsible for teaching Number Theory.

**Member of USTC Calligraphy and Painting Club** Sep. 2021 - Present

- Actively participated in club activities and often served as a volunteer.

## Honors & Awards

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- The second prize in The 13<sup>th</sup> Chinese Mathematics Competitions, Oct. 2021
- The second prize in The 35<sup>th</sup> Chinese High School Mathematics League, Sep. 2019
- The first prize in The 5<sup>th</sup> Campus Calligraphy and Painting Contest, Dec. 2021

## Skills

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Programming: Familiar with Python, fluent in C/C++, Matlab, Verilog

Databases: MySQL (MySQL Workbench)

Others: PyTorch, Data Analysis with Python