Zongze Li

Huazhong University of Science and Technology

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EDUCATION

Huazhong University of Science and Technology, Wuhan, China *Sep 2022 – Present*
undergraduate
School of Computer Science and Technology (Qiming Class)

GPA: 90.5/100.0
Core Course: Algorithmic Design & Analysis (100), Discrete Mathematics (I) (98), Discrete Mathematics (II) (98), Data Structure Experiments (98), Data Structure (93), Algorithmic Design & Analysis Experiments (90)

RESEARCH INTERESTS

Machine Learning Theory, Trustworthy Machine Learning, Computer Vision Method

RESEARCH EXPERIENCE

- **Graph Neural Network-Based Drug Analysis System.** *Mar 2023 – Present*
  Advisor: **Prof. Kun He**
  - Using deep neural network to extract features from drug datasets, thereby fitting drug functions, and predicting new drug functions through the prediction of new drug structures.
  - A college student innovation and entrepreneurship training program.

PROJECT

- **Gomoku Game Based on the α - β Pruning Algorithm** *Sep 2023 – Jan 2024*
  - The project of course Introduction to Artificial Intelligence.
  - Used the α - β Pruning algorithm, featuring gameplay for human-AI and AI-AI battles.

COURSE LABORATORIES

- **CS231n assignment** *Jan 2024 – Mar 2024*
  - The accompanying assignment for Stanford University's **computer vision course CS231n**.
  - Implemented a variety of deep learning models, including **CNN, RNN, LSTM, Transformer, GAN, and SimCLR** using **Python (NumPy, PyTorch)**.

- **CSAPP LAB** *Jun 2023 – Sep 2023*
  - The accompanying lab for the Carnegie Mellon University Computer System A Programmer Perspective course 15-213.
  - Accomplished some labs about assembly language, basic computer architecture, and program execution.

SELECTED AWARDS AND HONORS

- **Second Prize** at China Undergraduate Mathematical Contest in Modeling **(Top 2.22%)** *2023*
- **Model Student of Academic Records** of HUST **(Top 10%)** *2023*
- **Outstanding freshman scholarship** of HUST **(Top 10%)** *2023*
- **Second Prize** at National Olympiad in Mathmatics in Provinces *2021*

SKILLS

- **Programming Languages :** Python, C, C++, Golang
- **Familiar with basic machine learning framework pytorch**
- **Strong mathematical foundation :** Calculus(A) (98), Linear Algebra (95), and abundant experience in mathematical competition