

# Zongze Li

Huazhong University of Science and Technology

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## EDUCATION

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Huazhong University of Science and Technology, Wuhan, China  
undergraduate

Sep 2022 – Present

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

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Computer Vision, Machine Learning

## RESEARCH EXPERIENCE

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- **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

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- **Gomoku Game Based on the  $\alpha$  -  $\beta$  Pruning Algorithm**

Sep 2023 – Jan 2024

- The project of course Introduction to Artificial Intelligence.
- Used the  $\alpha$  -  $\beta$  Pruning algorithm, featuring gameplay for human-AI and AI-AI battles.

## COURSE LABORATORIES

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- **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

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- **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 Mathematics in Provinces 2021

## SKILLS

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- **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