Zhangzhi Xiong

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bearthesilly

Personal Information

My name is Zhangzhi Xiong(2023533146) and i am currently a computer science Junior student from ShanghaiTech University. Now I am a GLOBE visiting student to UC Berkeley.

My research interests currently lie in multiple aspects, like Computer Vision and Natural Language Processing, and I'm now doing research in the field of Time Series.

Education

Shanghaitech University *Sept 2023 – Now*
Computer Science

- **GPA:** 3.86/4.0
- **Rank:** 4/172 in Computer Science major; 6/267 in School of Information Science and Technology
- **Relevant CS Coursework**: Introduction to Information Science and Technology(A), Introdution to Program ming(A), Algorithms and Data Structures(A-), Introduction to Machine Learning(A+), Artificial Intelligence(A+), Computer Architecture(A) & Project(A+)
- **Relevant Math Foundation Coursework**: Calculus I(A+), Calculus II(A+), Linear Algebra I(A), Discrete Mathematics(A), Probability and Statistics for Information Science(A+)

UC Berkeley *Aug 2025 – Dec 2025*
GLOBE Visiting Student: Computer Science *(Expected)*

Experience

4DVLab, ShanghaiTech University *Shanghai, China*
PI: Prof.Yuexin Ma *Mar 2024 – Aug 2024*

- Running comparison experiments, replicating experiments
- A small fraction of paper writing
- Preprocessing dataset
- Visualization

VRVC, ShanghaiTech University *Shanghai, China*
Advisor: M.S. Zhehao Shen *Sept 2024 – Nov 2024*

- Collecting 3D modeling dataset
- Reproducing 3D Gaussian Splatting and Animatable Gaussians

AI HONOR PROGRAM, ShanghaiTech University *Shanghai, China*
PI: Prof.Kewei Tu and Prof.Kan Ren *Feb 2025 – Now*

- Conducting research on time series.

Project Experience

UniHPC: Human-Centric Point Cloud Universal Model

Yiteng Xu, Haoyu Wu, Shenshuo Yao, ***Zhangzhi Xiong***, Leshi Li, Xinge ZHU, Yuexin Ma

Patent: General-purpose Dynamic Point Cloud Understanding Model and Multi-task Collaborative Optimization System
Publication No. CN120412083A

Course Project

Halma Game Agent *May 2025 – Jun 2025*

Course Project for Artificial Intelligence, Supervisor: Prof.Sibei Yang

- Deploying AI agent algorithm in course Artificial Intelligence to Halma Game
- Deploying neural approximate Q-learning algorithm(DQN) to Halma Gaming

FP-GNN++: Towards Accurate Molecule Property Classification via Leveraging Versatile Features *May 2025 – Jun 2025*

Course Project for Introduction to Machine Learning, Supervisor: Prof.Yujiao Shi

- Modeling chemical bond information as additional inductive bias
- Designing crossing attention and multi-head GNN for better multi-feature fusion
- Conducting ablation studies to verify benefits of our novel structure designs

Award

- **AI HONOR CLASS,** Shanghaitech University, 2024-2027(expected)
- **OUTSTANDING STUDENT,** (top 10%) Shanghaitech University, 2023-2024
- **Second Prize,** The Chinese Mathematics Competitions, Shanghai Region, 2024
- **Second Prize,** Contemporary Undergraduate Mathematical Contest in Modeling (CUMCM), Shanghai Region, 2025

Technologies

Languages: Python > C++ = C > Matlab = RISC-V

Technologies: Pytorch, Linux, Docker, Git, Conda, Slurm

Misc: Markdown, LaTeX, CET-6:613, TOFEL:101