



Xunzhe Zhou

Undergraduate,
Fudan University

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EDUCATION

Undergraduate

Fudan University
2020-2025

Exchange Student

University of California, Berkeley
2023

SKILLS

- C++
- Python (Pytorch, TensorFlow)

WORK EXPERIENCE

School of Computer Science 2023.06 - 2023.09

Fudan University

During the 3 months, I have been working on the research about instruction and evaluation about Large Language Models. Especially about hard constraint instruction and real-world instructions. I am mainly responsible for the structure and design of the evaluation model. During this work, I gained a lot of knowledge about LLM and the DL structure of different models. In 2023.08, I submitted the paper on **AAAI2024** and recently submitted it on **Arxiv**.

Academy for Engineer & Technology 2022.09 - 2023.09

Fudan University

During this year, I have been working on the research about the control and implementation of Echo State Network. My research direction is about the control theorems of nonlinear dynamical systems. My work includes reading papers and finding the research direction and implementation the code part of the model. Also, I am responsible the test part. The paper is now written by one member in our research group because of my exchange.

PROJECT EXPERIENCE

Non-course ML-related projects

DL for Financial Fraud Detection 2022

This project is a competition held by Alibaba (ATEC). The goal of this project is to detect the fraud data in huge amount of unbalanced financial data. I used SMOTE, XGBoost, LightGBM and other methods to achieve a model performing twice better than the base model.

ML, DL, RL for Financial Investment 2023

This project was led by Prof. Weiping Zhang, School of Economy, Fudan University. The goal is to use ML methods to design a model that can automatically trade. During the project, I used many ways including CNN, LSTM, etc. to predict the prices and use Deep Q-Learning and Actor-Critic to make the model trade automatically.

Course projects

During the course taken in Fudan University, I have finished projects like implementation of MLP, CNN, SVM, XGboost, LSTM, HMM, CRF, k-Means, DBSCAN, FP-Growth, etc.. Binary-tree of database. Self-made CPU, Operating System, Compiler. Website of database system, shopping website, etc.

REFERENCES

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