Jie Sun

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Undergraduate Student at University of Science and Technology of China, Hefei, Anhui

EDUCATION

University of Science and Technology of China Sept 2019 - July 2023

- **BS:** School of the Gifted Young
- **Major:** Computer Science
- **Advisor:** Xiang Wang
- **Overall GPA:** 3.76/4.3

AWARD AND HONORS

- Special Scholarship - DiAo USTC, 2022
- Excellent Student Scholarship – Silver USTC, 2021
- Excellent Student Scholarship – Silver USTC, 2020
- National Physics Contest for Middle School Students - First Price Fuyang High School, 2018
- National Mathematics Contest for Middle School Students - First Price Fuyang High School, 2018

RESEARCH EXPERIENCES

Topic: Generalizable Graph Classification Sept 2022 - Jan 2023
Instructor: Prof. Xiang Wang, Dr. Yongduo Sui; LDS, USTC
Goal: Classify the Out-Of-Distribution (OOD) graph data properly.

- A new framework is proposed to mine structural information in the same data class from a global perspective.
- Extensive experiment results on synthetic and real-world data show the efficiency of the proposed framework.

Topic: Generalizable Graph Classification Sept 2022 - Feb 2023
Instructor: Prof. Xiang Wang, Dr. Yongduo Sui; LDS, USTC
Goal: Classify the Out-Of-Distribution (OOD) graph data properly.

- Proposed a new framework that makes the model sensitive to the graph's stable parts and insensitive to the rest.
- The experiment results on synthetic and real-world data indicate that a generalizable model should be sensitive to the stable parts and insensitive to the environmental parts.

PROJECT WORKS

Face Fusion Nov 2022 - Jan 2023
Instructor: Yang Cao; Course: Computer Vision

- Extract 68 feature points on the face, and then perform affine transformation and fusion on the corresponding triangles obtained by Delaunay Triangulation.
- Tests on multiple sets of images demonstrate the effectiveness of the method.

Deep Q-learning Nov 2021 - Jan 2022
Instructor: Jie Wang; Course: Machine Learning

- Implemented the Deep Q-learning algorithm on the game breakout with *torch*.

- The average evaluation result is 400+(almost the highest).

CarPlate Identity April 2021 - June 2021
Instructor: Guangzhong Sun; Course: Programming Practice for Scientific Problems Solving

- Automatic recognition of license plate information of a car in photos based on cv2.
- The demo can correctly identify different license plates in different background environments.

TECHNICAL STRENGTHS

- **Programming Language:** Python, C++, C, Matlab, LaTeX
- **English Test:** CET6: 467 (Speaking: A)