

Yaning Jia

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Hust(Huazhong University with Science and Technology), Wuhan, China

Homepage:

<https://github.com/YaningJia>

EDUCATION & EXPERIENCE

Master student, Cyberspace Security

Sep. 2021 - Present

School of Cyberspace Security

Huazhong University with Science and Technology, Wuhan, China

School of Cyberspace Security

GPA: 83.33/100.00, work with **Prof. Hongfei Wang**

B.S., Computer Science

Sep. 2017 - Jun. 2021

Northeastern University, China

School of Computer and Communication Engineering

GPA: 4.03/5.00

Research Assistant

June. 2022-March. 2023

Duke Kunshan University, China

School of Data Science

Mentors: **Prof. Dongmian Zou**,

Developed a Lipschitz algorithm for GNNs(Graph Neural Networks) which is related to GNNs robustness, can be served as a plug-in component to enhance GNNs' robustness against adversarial attacks and noisy data.

Research Assistant

March. 2023-June. 2023

Brandeis University, Waltham, Massachusetts, US

Michom School of Computer Science

Mentors: **Prof. Chunxu Zhang**, **Prof. Jundong Li**

Cooperator: **ph.D. Chunhui Zhang**

Developed a Fairness method for GNNs(Graph Neural Networks) which is related to GNNs' individual fairness, can be served to increasingly enhance GNNs' individual fairness while retaining performance

Research Assistant

June. 2023-Present

Zhejiang Lab, China

Big Data Intelligence Research Centre

Institute of Artificial Intelligence

RESEARCH INTEREST

- **Deep learning, Machine Learning, Graph Neural Networks**
- Robustness of GNNs (*e.g., my KDD'23 on GNNs' Adversarial attacks*)
- GNNs' fairness (*e.g., my ICLM'23 workshop on individual fairness of GNNs*)

PAPER

- **Yaning Jia**, Dongmian Zou, Hongfei Wang, Hjin. Enhancing Node-Level Adversarial Defenses by Lipschitz Regularization of Graph Neural Networks, *the 29th ACM SIGKDD Conference on Knowledge Discovery and Data Mining (KDD)*, 2023 .
- **Yaning Jia**, Chunhui Zhang. Stabilizing GNN for Fairness via Lipschitz Bounds, *The Second Workshop on Spurious Correlations, Invariance and Stability (ICML)*, 2023.

SKILLS

Programming Skills: C++, Python, java, PyTorch, MATLAB, Git, PyG, DGL

Operating System: Linux

ACTIVITIES

- Conference reviewer for ICML2023 workshop

Latest Update: June 2023