

Guancheng Wan

🏠 Wuhan, Hubei, China

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📖 Education

Wuhan University

Wuhan, China

Software Engineering B.S. GPA: 3.91/4.00 Average Score: 92.496

2021–Now

Coursework: Higher Mathematics 98 & 97, Discrete Math 98, Linear Algebra 96, Statistics/Probability 94, Database System 94, Combinatorics Math 92, Data Structures 90.

📝 Publications and Manuscripts (* = equal contribution)

Federated Graph Semantic and Structural Learning

[IJCAI]

Wenke Huang*, **Guancheng Wan***, Mang Ye, Bo Du

[2023]

Federated Graph Learning under Domain Shift with Generalizable Prototypes

[Preprint]

Guancheng Wan, Wenke Huang, Mang Ye

[2023]

A Survey on Federated Learning for Generalization, Robustness, Fairness

[Preprint]

Wenke Huang, Mang Ye, Zekun Shi, **Guancheng Wan**, He Li, Bo Du

[2023]

👜 Experience

Wuhan University, MARS lab *Research Assistant*

Sept 2023–Now

Topics: Graph Learning, GNN Distillation

Advisor: Mang Ye

- We aim to help gnn-to-mlp distillation with hierarchical similarity mimic.

Wuhan University, MARS lab *Research Assistant*

Sept 2022– Sept 2023

Topics: Graph Learning, Federated Learning

Advisor: Mang Ye

- Proposed a framework to address the challenge of across-domain graph data shift in federated graph learning.
- Design a benchmarking software package for federated learning, and write a survey about it.
- Proposed a novel federated graph learning frame for both node and graph-level calibration, shedding good light on future research in solving the non-IID problem in fgl scenarios.

Wuhan University, National Innovative Programs *Research Membership*

Sept 2022–Sept 203

Topics: Recommendation System, Graph Learning, Federated Learning

Advisor: Ming Zhong

- Proposed a feature decoupling approach to solve the non-IID problem in federated recommendation system.

👋 Skills

Python (Pytorch), Pyg, Dgl, Java, Latex, Git/Terminal, VSCode/IntelliJ, Data Analysis/Visualization

🏆 Scholarships and Honors

CCF (China Computer Federation) Elite Collegiate Award (102 Students nation-wide)

Oct 2023

Pacemaker to Merit Student (Award Rate: 60/59774=0.1% school-wide)

Oct 2023

National Scholarship (Twice) (Award Rate: 0.2% nation-wide)

Sept 2023

First Class Scholarship (Award Rate: 5% school-wide)

Sept 2023

Merit Student (Award Rate: 10% school-wide)

Oct 2022

National Scholarship (Award Rate: 0.2% nation-wide)

Sept 2022

First Class Scholarship (Award Rate: 5% school-wide)

Sept 2022

Excellent Student Cadre (Award Rate: 924/59774=1.5%)

Sept 2022