Guancheng Wan

🏠 Wuhan,Hubei,China

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📚 Education

Wuhan University	**Wuhan, China**

Software Engieering 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 Learning under Domain Shift with Generalizable Prototypes   [AAAI]
Guancheng Wan, Wenke Huang, Mang Ye   [2024]

Federated Graph Semantic and Structural Learning   [IJCAI]
Wenke Huang*, **Guancheng Wan***, Mang Ye, Bo Du   [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 *Reasearch Assiant*   Sept 2023–Now
Topics: Graph Learning, Inference Time Acceleration   Advisor: Mang Ye
- We extend graph contrastive learning to heterophilic graphs and accelerate the feature extraction process.
- We aim to help gnn-to-mlp distillation with hierarchical similarity mimic.

Wuhan University, MARS lab *Reasearch Assiant*   Sept 2022– Sept 2023
Topics: Graph Learning, Federated Learning   Advisor: Mang Ye
- Propose 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 comprehensively review three basic lines of research: generalization, robustness, and fairness in the survey.
- Propose 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 federated graph learning 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