

Yuying Zhao

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EDUCATION

Vanderbilt University

Ph.D. in Computer Science

Relevant coursework: Geometric Deep Learning, Machine Learning, Reinforcement Learning

Nashville, United States

2021–2026 (expected)

Huazhong University of Science and Technology (HUST)

M.S. in Computer Science, GPA: 3.94/4.00 (Outstanding Graduate Award)

Wuhan, China

2018–2021

Huazhong University of Science and Technology (HUST)

B.S. in Computer Science, GPA: 3.98/4.00 (Outstanding Graduate Award)

Wuhan, China

2014–2018

EXPERIENCE

Network and Data Science Lab (NDS)/Vanderbilt University

Advisor: Dr. Tyler Derr

Nashville, United States

Fall 2021–Present

Research topics: Graph Neural Networks, Social Network Analysis, Fairness, Explainability

Cluster and Grid Computing Lab/HUST

Advisor: Dr. Hai Jin, Dr. Pingpeng Yuan

Wuhan, China

Fall 2018–2021

Research topics: Graph Mining, Graph Database

PUBLICATIONS

1. Yu Wang, **Yuying Zhao**, Yushun Dong, Huiyuan Chen, Jundong Li, and Tyler Derr. “Fair-view Graph Neural Network for Node Representation Learning” (Accepted by KDD 2022).
2. **Yuying Zhao**, Yunfei Hu, Pingpeng Yuan, and Hai Jin. “Maximizing Influence Over Streaming Graphs with Query Sequence.” *Data Science and Engineering* 6, no. 3 (2021): 339-357.
3. Xiang Kang, **Yuying Zhao**, Pingpeng Yuan, and Hai Jin. “Grace: An Efficient Parallel SPARQL Query System over Large-Scale RDF Data.” In 2021 IEEE 24th International Conference on Computer Supported Cooperative Work in Design (CSCWD), pp. 769-774. IEEE, 2021.

PREPRINTS AND SUBMISSIONS

1. Xinmeng Zhang, **Yuying Zhao** (co-first author), Chao Yan, Tyler Derr, and You Chen. “Inferring EHR Utilization Workflows through Audit Logs” 2022 (under review).
2. Yu Wang, **Yuying Zhao**, Neil Shah, and Tyler Derr. “Imbalanced Graph Classification via Graph-of-Graph Neural Networks.” arXiv preprint [arXiv:2112.00238](https://arxiv.org/abs/2112.00238) (2021).

SYMPOSIUMS AND WORKSHOPS

1. **Yuying Zhao**. Improving Fairness via Fair Explanation. International Conference on Data Mining (SDM) Doctoral Forum, SIAM, Poster, 2022.

SCHOLARSHIPS AND AWARDS

- NSF Student Travel Awardee for SDM 2022
- ICML Free Conference Registration Awardee 2021
- ICWSM-21 Scholarship Program Awardee 2021
- “Outstanding Graduate” award for master degree from HUST 2021
- Awarded an IBM Fellowship from Vanderbilt University 2021
- The First Prize Scholarship from HUST 2018–2019
- “Outstanding Graduate” award for bachelor degree from HUST 2018

GUEST LECTURES

- Information Diffusion and Influence Maximization Feb 2022
DS 5720: Social Network Analysis, Data Science Institute, Vanderbilt University.

SERVICES

Conference Sub reviewer

- International Conference on Web Search and Data Mining (WSDM) 2021
- International Conference on Information and Knowledge Management (CIKM) 2021
- The Web Conference (WWW) 2022

Program Committee Member

- WSDM workshop MLoG: Machine Learning on Graphs 2022

EXTRACURRICULAR ACTIVITIES

- Volunteer at conference CCF BigData 2019 2019
More than 1,300 people, including industry leaders, experts and scholars, and business representatives in the field of big data, attended the conference. I assisted the teacher with financial work.
- Volunteer at the creation and management of the WeChat public account of lab (CGCL) 2018 –2019
WeChat public accounts are prevalent in China. It serves as a tool to promote researches that lab members have conducted. I assisted the teacher to create and manage the WeChat public account at the initial stage.

TEACHING

- **Teaching Assistant** at Vanderbilt University Spring 2022
Social Network Analysis (DS 5720)
- **Teaching Assistant** at Vanderbilt University Fall 2021
Database Management Systems (CS 3265/5265)