

Yijun Ma

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EDUCATION

- **Renmin University of China** Beijing, China
Master of Engineering - Artificial Intelligence Sep 2021 - Present
- **Wuhan University** Hubei, China
Bachelor of Engineering - Software Engineering; GPA: 3.91/4; Rank: 5/316 (Top 2%) Sep 2017 - June 2021

RESEARCH INTERESTS

- **Graph Machine Learning:** Improve the expressiveness, scalability and fairness of Graph Neural Networks, and make them generalizable to various forms of structured data
- **Applicable Graph Mining:** Explore applications of graph machine learning in recommender systems, social networks, natural language processing and AI4Science

EXPERIENCE

- **The Grainger College of Engineering, University of Illinois Urbana-Champaign** Remote
Research Intern, hosted by Prof. Hanghang Tong Jun 2022 - Oct 2022
 - **Research Topic - Next POI Recommendation:** Developed a graph transformer based model which can learn users' temporal preference and global POI latent feature simultaneously under a meta-learning setting
 - **Publication in Progress:** To be submitted to WWW 2023
- **Social Computing Group, Microsoft Research Asia** Beijing, China
Research Intern (Full-time), hosted by Jianxun Lian and Xing Xie Dec 2021 - Jun 2022
 - **Research Topic - Fairness-Aware Recommendation:** Developed a graph contrastive learning strategy to improve the predictive accuracy of tail nodes in GNN-based friend recommendation with additional theoretical foundation.
 - **Publication in Progress:** To be submitted to WWW 2023
- **Wangxuan Institute of Computer Technology, Peking University** Beijing, China
Research Assistant, hosted by Prof. Rui Yan Nov 2020 - Apr 2021
 - **Research Topic - Knowledge-Grounded Conversation:** Explored how to integrate external knowledge into retrieval-based open domain conversation with more accurate knowledge selection under low data resource.

PUBLICATIONS

TBD

TALKS

- **Towards Expressive Tail Node Embedding for Link Prediction on Networks** Beijing, China
Social Computing Group Seminar, MSRA Aug 2022
- **Fairness-Aware Friend Recommendation with Heterogeneous Graph Signal** Beijing, China
BDAI Seminar, Renmin University of China May 2022

HONORS AND AWARDS

- Honorable Mentions, Mathematical Contest In Modeling/Interdisciplinary Contest In Modeling (MCM/ICM) - 2020
- First Class Outstanding Student Scholarship, Top 5% in Distinguished Engineer Class - 2020
- Provincial first prize, National College Students' Mathematical Modeling Competition - 2019
- Second Class Outstanding Student Scholarship, Top 10% in Distinguished Engineer Class - 2018-2019