

# Yijun Ma

Portfolio: [antman9914.github.io](https://antman9914.github.io)

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## EDUCATION

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- **Renmin University of China** Beijing, China  
*Master of Engineering - Artificial Intelligence; Advisor: Prof. Xiao Zhou* Sep 2021 - Present
- **Wuhan University** Hubei, China  
*Bachelor of Engineering - Software Engineering; GPA: 3.91/4; Rank: 5/316* Sep 2017 - June 2021

## RESEARCH INTERESTS

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My major research interest lies on graph machine learning, especially on improving the expressiveness, scalability and fairness of GNN architectures. I'm also interested in their applications in recommender systems, social networks and long sequence modeling. My recent work focus on fairness-aware graph machine learning and heterogeneous graph learning.

## EXPERIENCE

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- **Social Computing Group, Microsoft Research Asia** Beijing, China  
*Research Intern (Full-time), hosted by Jianxun Lian and Chaozhao Li* Dec 2021 - Present
  - **Research Topic - Fairness-Aware Recommendation:** Developed a graph contrastive learning strategy to achieve degree-related fairness in GNN-based friend recommendation and item recommendation.
  - **Work in Progress Publication:** To be submitted to AAAI 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

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TBD

## TALKS

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- **Fairness-Aware Friend Recommendation with Heterogeneous Graph Signal:** Given at BDAI seminar, Renmin University of China, 2022.05

## HONORS AND AWARDS

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- Honorable Mentions, Mathematical Contest In Modeling / Interdisciplinary Contest In Modeling (MCM/ICM) - May, 2020
- First Class Outstanding Student Scholarship, Top 1% in Distinguished Engineer Class - October, 2020
- Provincial first prize, National College Students' Mathematical Modeling Competition - November, 2019
- Second Class Outstanding Student Scholarship, Top 3% in Distinguished Engineer Class - October, 2018-2019