

# Mingji Yang

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📍 Beijing, China

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## EDUCATION

- **Gaoling School of Artificial Intelligence, Renmin University of China** Beijing, China  
*Ph.D. candidate in artificial intelligence* Sept. 2022 to present
  - Advisors: [Ji-Rong Wen](#) and [Zhewei Wei](#)
  - Research Interests: spectral graph algorithms, sublinear-time algorithms
- **Turing Class, School of Information, Renmin University of China** Beijing, China  
*B.E. in computer science and technology* Sept. 2018 to June 2022
  - GPA: 3.89/4.0 (Rank: 2/163)

## VISITING

- **Institute for Theoretical Computer Science, Shanghai University of Finance and Economics** Shanghai, China  
*Visiting student advised by [Tsz Chiu Kwok](#)* Feb. 2025 to June 2025

## PUBLICATIONS

- **On Solving Asymmetric Diagonally Dominant Linear Systems in Sublinear Time<sup>1</sup>** Jan. 2026  
*To Appear in Proceedings of the 17th Innovations in Theoretical Computer Science Conference, **ITCS 2026***
  - Tsz Chiu Kwok, Zhewei Wei, **Mingji Yang**
- **PageRank Centrality in Directed Graphs with Bounded In-Degree** Jan. 2026  
[10.1137/1.9781611978971.140](#) (Proceedings of the 2026 ACM-SIAM Symposium on Discrete Algorithms, **SODA 2026**)
  - Mikkel Thorup, Hanzhi Wang, Zhewei Wei, **Mingji Yang**
- **Efficient Algorithms for Personalized PageRank Computation: A Survey<sup>2</sup>** Sept. 2024  
[10.1109/TKDE.2024.3376000](#) (IEEE Transactions on Knowledge and Data Engineering, **TKDE**)
  - **Mingji Yang**, Hanzhi Wang, Zhewei Wei, Sibbo Wang, Ji-Rong Wen
- **Revisiting Local Computation of PageRank: Simple and Optimal** June 2024  
[10.1145/3618260.3649661](#) (Proceedings of the 56th Annual ACM Symposium on Theory of Computing, **STOC 2024**)
  - Hanzhi Wang, Zhewei Wei, Ji-Rong Wen, **Mingji Yang**
- **Approximating Single-Source Personalized PageRank with Absolute Error Guarantees** Mar. 2024  
[10.4230/LIPIcs.ICDT.2024.9](#) (Proceedings of the 27th International Conference on Database Theory, **ICDT 2024**)
  - Zhewei Wei, Ji-Rong Wen, **Mingji Yang**

<sup>1</sup>Authors are ordered alphabetically with equal contributions by default.

<sup>2</sup>Authors are ordered by contribution for this paper.

## SELECTED HONORS AND AWARDS

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- **Silver Medal in ICPC (International Collegiate Programming Contest) Asia-East Continent Final, 2018, 2019, 2020**, ICPC Foundation
- **Gold Medal in ICPC Asia Regional Contest (twice), 2019**, ICPC Foundation
- **China National Scholarship, 2019**, Ministry of Education of the People's Republic of China
- **CCF (China Computer Federation) Elite Collegiate Award, 2021**, CCF
- **Gold Medal in CCF Collegiate Computer Systems & Programming Contest, 2021**, CCF
- **Silver Medal (Category D) in Chinese National Olympiad in Informatics, 2017**, CCF
- **Outstanding Graduate Student of Beijing, 2022**, Beijing Municipal Education Commission

## ACADEMIC SERVICES

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- **Reviewer:** ICLR 2025/2026, ICML 2024

## TEACHING EXPERIENCES

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- **School of Information, Renmin University of China**  
*Teaching Assistant for Course "Program Design Practice"* *Beijing, China*  
*Feb. 2023 to July 2023*
- **Gaoling School of Artificial Intelligence, Renmin University of China**  
*Teaching Assistant for Course "Algorithm Design and Analysis"* *Beijing, China*  
*Feb. 2022 to July 2022*
- **School of Information, Renmin University of China**  
*Teaching Assistant for Course "Data Structure and Algorithms II (Honor Course)"* *Beijing, China*  
*Feb. 2021 to July 2021*

## SKILLS

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- **Languages:** Chinese (native), English (fluent, 634/750 points in College English Test-6)
- **Programming Languages:** C/C++ (500/500 points in CCF Certified Software Professional), Python