Mingji Yang

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EDUCATION

- **Gaoling School of Artificial Intelligence, Renmin University of China**   *Beijing, China*
  Ph.D. candidate in artificial intelligence   *Sept. 2022 - June 2027 (exp.)*
  - Advisors: Ji-Rong Wen and Zhewei Wei
  - Research interests: spectral graph algorithms, sublinear algorithms

- **Turing Class, School of Information, Renmin University of China**   *Beijing, China*
  B.E. in computer science and technology   *Sept. 2018 - June 2022*
  - GPA: 3.89/4.0 (Rank: 1/24)

PUBLICATIONS

Authors are ordered alphabetically with equal contributions by default. For papers marked with "†", authors are ordered by contribution.

- **On Solving Asymmetric Diagonally Dominant Linear Systems in Sublinear Time**   *Jan. 2026*
  ITCS 2026, Proceedings of the 17th Innovations in Theoretical Computer Science Conference
  - Tsz Chiu Kwok, Zhewei Wei, Mingji Yang

- **PageRank Centrality in Directed Graphs with Bounded In-Degree**   *Jan. 2026*
  SODA 2026, Proceedings of the 2026 ACM-SIAM Symposium on Discrete Algorithms
  - Mikkel Thorup, Hanzhi Wang, Zhewei Wei, Mingji Yang

- **Efficient Algorithms for Personalized PageRank Computation: A Survey †**   *Sept. 2024*
  TKDE, IEEE Transactions on Knowledge and Data Engineering
  - Mingji Yang, Hanzhi Wang, Zhewei Wei, Sibo Wang, Ji-Rong Wen

- **Revisiting Local Computation of PageRank: Simple and Optimal**   *June 2024*
  STOC 2024, Proceedings of the 56th Annual ACM Symposium on Theory of Computing
  - Hanzhi Wang, Zhewei Wei, Ji-Rong Wen, Mingji Yang

- **Approximating Single-Source Personalized PageRank with Absolute Error Guarantees**   *Mar. 2024*
  ICDT 2024, Proceedings of the 27th International Conference on Database Theory
  - Zhewei Wei, Ji-Rong Wen, Mingji Yang

SELECTED HONORS AND AWARDS

- **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

Visiting

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

Academic Services

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

Teaching Experiences

- **School of Information, Renmin University of China**   *Beijing, China*
  Teaching Assistant for Course "Program Design Practice"   *Feb. 2023 - July 2023*

- **Gaoling School of Artificial Intelligence, Renmin University of China**   *Beijing, China*
  Teaching Assistant for Course "Algorithm Design and Analysis"   *Feb. 2022 - July 2022*

- **School of Information, Renmin University of China**   *Beijing, China*
  Teaching Assistant for Course "Data Structure and Algorithms II (Honor Course)"   *Feb. 2021 - July 2021*

Skills

- **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