

WENCHAO BAI

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EDUCATION

Southeast University, Jiangsu, China Ph.D. Candidate @ Computer Science and Engineering.	Sep. 2022 - Present GPA: 3.52/4.0; Rank: 4/60 (Top 7%)
Northeastern University, Liaoning, China B.Eng. @ Software Engineering.	Sep. 2018 - Jun. 2022 GPA: 4.07/5.0; Rank: 3/49 (Top 6%)

INTERNSHIP EXPERIENCE

Shenzhen Institute of Computer Science, Guangdong, China Researcher Intern. @ Fundamental Research Center.	Jul. 2023 - Present
iFlytek, Anhui, China Big Data Engineer Intern. @ Intelligent City Business Group.	May 2022 - Mar. 2022
58.com Inc., Beijing, China NLP Engineer Intern. @ AI Lab.	Mar. 2021 - Jul. 2021

RESEARCH INTERESTS

- **Data Theories:** Data integration, data quality, and data mining.
- **Data Systems:** Resource-Efficient systems, hardware (GPU) acceleration.
- **Data Agents:** Autonomous, reliable, and scalable data management over data lakes.

AWARDS

◦ National Scholarship (30,000 CNY)	Oct. 2025
◦ SIGMOD Student Travel Award (1,800 USD)	May 2025

SERVICE

- TA: Algorithm Design and Analysis @ SEU (Undergraduated, Spring, 2025)
Reviewer: T-ITS'24, WWW'26

SELECTED PUBLICATIONS

- [1] Wenchao Bai, Wenfei Fan, Jiahui Jin, Daji Li, Jian Li, Shuhao Liu, Miangliang Ouyang, and Qiang Yuan. Miniclean: A single-machine system for cleaning big graphs. *Companion of the 2025 International Conference on Management of Data*, 2025.
- [2] Wenchao Bai, Wenfei Fan, Shuhao Liu, Kehan Pang, Xiaoke Zhu, and Jiahui Jin. Rule-based graph cleaning with gpus on a single machine. *Proceedings of the ACM on Management of Data*, 2025.
- [3] Jiahui Jin, Zhendong Guo, Wenchao Bai, Biwei Wu, Xiang Liu, and Weiwei Wu. Congestion-aware stackelberg pricing game in urban internet-of-things networks: A case study. *Computer Networks*, 246:110405, 2024.