WENCHAO BAI

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EDUCATION

Southeast University, Jiangsu, China — *Sep. 2022 - Present*
Ph.D. Candidate @ Computer Science and Engineering. — **GPA**: 3.52/4.0; **Rank**: 4/60 (Top 7%)

Northeastern University, Liaoning, China — *Sep. 2018 - Jun. 2022*
B.Eng. @ Software Engineering. — **GPA**: 4.07/5.0; **Rank**: 3/49 (Top 6%)

INTERNSHIP EXPERIENCE

Shenzhen Institute of Computer Science, Guangdong, China — *Jul. 2023 - Present*
Researcher Intern. @ Foundamental Research Center.

iFlytek, Anhui, China — *May 2022 - Mar. 2022*
Big Data Engineer Intern. @ Intelligent City Business Group.

58.com Inc., Beijing, China — *Mar. 2021 - Jul. 2021*
NLP Engineer Intern. @ AI Lab.

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] Zhengdong Guo, Wenchao Bai, and Jiahui Jin. Pricing online llm services with data-calibrated stackelberg routing game. In *The Fortieth AAAI Conference on Artificial Intelligence*, 2026.

[4] 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.