

WENCHAO BAI

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EDUCATION

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

INTERNSHIP EXPERIENCE

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

RESEARCH INTERESTS

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- **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

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

SERVICE

TA: Algorithm Design and Analysis @ SEU (Undergraduated, Spring, 2025)

Reviewer: T-ITS'24, WWW'26

SELECTED PUBLICATIONS

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- [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.