

Jinchao Huang

Ph.D. Student, Database Group, The Chinese University of Hong Kong

🌐 [jasonwong2001.github.io](https://github.com/jasonwong2001) ✉ jchuang@link.cuhk.edu.hk

Research Interests

He is interested in designing approximation and randomized algorithms for big data with non-trivial theoretical guarantees.

Education

- **Ph.D. in the CUHK Database Group** CUHK
Advisor: Prof. Sibow Wang *August 2023 - Present*
- **B.Eng. in Computer Science and Technology** USTC
Advisor: Prof. Xue Chen *September 2019 - July 2023*
GPA: 3.87/4.30 Weighted Average Score: 90.22/100 Ranking: 20/256 (top 8%)
Core Courses: Introduction to Computer Systems (H) (100/100), Operating Systems (H) (94/100), Computer Organization (94/100), Linear Algebra (96/100), Algorithm Design (95/100)

Publications

Conference Papers.....

- (C4) **Jinchao Huang**, Sibow Wang.
DIPS: Optimal Dynamic Index for Poisson π ps Sampling.
Proceedings of the ACM SIGKDD International Conference on Knowledge Discovery and Data Mining (**SIGKDD**), to appear, 2025.
- (C3) Guanhao Hou, **Jinchao Huang**, Fangyuan Zhang, Sibow Wang.
Efficient Concurrent Algorithms for Updates to Persistent Binary Search Trees.
Proceedings of the VLDB Endowment (**PVLDB**), to appear, 2025.
- (C2) **Jinchao Huang**, Sibow Wang.
Subset Sampling and Its Extensions.
- (C1) Xingguang Chen, Fangyuan Zhang, **Jinchao Huang**, Sibow Wang.
Efficient Approximation Framework for Attribute Recommendation.
Proceedings of the ACM SIGMOD International Conference on Management of Data (**SIGMOD 2024**).

Journal Papers.....

- (J1) Xingyi Zhang*, **Jinchao Huang***, Fangyuan Zhang, Sibow Wang.
FICOM: An Effective and Scalable Active Learning Framework for GNNs on Semi-supervised Node Classification.
International Journal on Very Large Data Bases (**VLDBJ 2024**).

Academic Services

- Reviewer or subreviewer of SIGKDD 2025, ICDE 2023, TKDE 2023-2024, DASFFA 2024, PAKDD 2023.
- Student volunteer of VLDB 2024.

Selected Awards

- Elite Class Scholarship
- Outstanding Student Scholarship