Yilei Wang

Personal Information

DATE OF BIRTH:	Feb 14th, 1995
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Education

CURRENT	Ph.D. student in Department of Computer Science and Engineering, The Hong Kong University of Science and Technology, since Fall 2017 Research direction: Database theory and algorithms Supervisor: Prof. Ke Yi
JUNE 2017	Bachelor Degree of Nature Sciences in Mathematics and Applied Mathematics, Zhejiang University, Hangzhou, China Overall GPA: 3.76/4, Rank: 24/108
SUMMER 2016	Research Intern in Department of Computer Science, The University of Hong Kong Thesis: "Reward Bound Estimation in Multi-armed Bandit" Supervisor: Prof. Chuan Wu

Publications

Author list marked with * use alphabetical ordering (equally contributed).

PODS 2022	**Yilei Wang** and Ke Yi.* Query Evaluation By Circuits. ACM Symposium on Principles of Database Systems (PODS)
SIGMOD 2021	**Yilei Wang** and Ke Yi.* Secure Yannakakis: Join-Aggregate Queries over Private Data. ACM SIGMOD International Conference on Management of Data.
SIGMOD 2021	Yuan Qiu, **Yilei Wang**, Ke Yi, Feifei Li, Bin Wu, and Chaoqun Zhan. Weighted Distinct Sampling: Cardinality Estimation for SPJ Queries. ACM SIGMOD International Conference on Management of Data.
NeurIPS 2019	Zengfeng Huang, Ziyue Huang, **Yilei Wang**, and Ke Yi.* Optimal Sparsity-Sensitive Bounds for Distributed Mean Estimation. Conference on Neural Information Processing Systems.

Work Experience

JAN-JUN 2019	Collaboration Project Internship, ALIBABA, Hangzhou Contributed to developing a database system named "AnalyticDB" Implemented WANDER JOIN algorithm into AnalyticDB Did research on approximate distinct count algorithm
MAR-JUN 2017	Game Development Intern in LeiHuo Technology, NETEASE, Hangzhou Contributed to developing a MMORPG named "NiShuiHan Online" Designed strategies for robots to fight with human players