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## EDUCATION

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### Peking University

Ph.D. in Computer Science

Beijing, China

2023 – Present

### Peking University

B.Sc in Computer Science & Mathematics

Beijing, China

2019 – 2023

## PUBLICATIONS

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### SketchPolymer: Estimate Per-item Tail Quantile Using One Sketch

*Jiarui Guo, Yisen Hong, Yuhan Wu, Yunfei Liu, Tong Yang, Bin Cui*

Proceedings of the 28th ACM SIGKDD Conference on Knowledge Discovery and Data Mining (**KDD '23**). Aug. 2023

### SteadySketch: Finding Steady Flows in Data Streams

*Xiaodong Li, Zhuochen Fan, Haoyu Li, Zheng Zhong, Jiarui Guo, Sheng Long, Tong Yang, Bin Cui*

2023 IEEE/ACM 31st International Symposium on Quality of Service (**IWQoS '23**). Jun. 2023

### PISketch: Finding Persistent and Infrequent Flows

*Zhuochen Fan, Zhoujing Hu, Yuhan Wu, Jiarui Guo, Sha Wang, Wenrui Liu, Tong Yang, Yaofeng Tu, Steve Uhlig*

IEEE/ACM Transactions on Networking (**TON**). May. 2023

### Finding Simplex Items in Data Streams

*Zhuochen Fan, Jiarui Guo, Xiaodong Li, Tong Yang, Yikai Zhao, Yuhan Wu, Bin Cui, Yanwei Xu, Steve Uhlig, Gong Zhang*

2023 IEEE 39th International Conference on Data Engineering (**ICDE '23**). Apr. 2023

### REncoder: A Space-Time Efficient Range Filter with Local Encoder

*Ziwei Wang, Zheng Zhong, Jiarui Guo, Yuhan Wu, Haoyu Li, Tong Yang, Yaofeng Tu, Huanchen Zhang, Bin Cui*

2023 IEEE 39th International Conference on Data Engineering (**ICDE '23**). Apr. 2023

### BurstSketch: Finding Bursts in Data Streams

*Ruijie Miao, Zheng Zhong, Jiarui Guo, Zikun Li, Tong Yang, Bin Cui*

IEEE Transactions on Knowledge and Data Engineering (**TKDE**). Nov. 2022

### PISketch: Finding Persistent and Infrequent Flows

*Zhuochen Fan, Zhoujing Hu, Yuhan Wu, Jiarui Guo, Wenrui Liu, Tong Yang, Hengrui Wang, Yifei Xu, Steve Uhlig,*

*Yaofeng Tu*

Proceedings of the ACM SIGCOMM 2022 Workshop on Formal Foundations and Security of Programmable Network Infrastructures (**FFSPIN '22**). Aug. 2022