Jiarui Guo

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Research interests

Approximate algorithms in data streams, Computer network systems

Education

Peking University   Beijing, China
B.Sc. in Computer Science (double in Mathematics)   2019 – Present

Nantong Middle School   Nantong, Jiangsu, China
                                                          2016 – 2019

Publications

Finding Simplex Items in Data Streams
Zhuochen Fan, **Jiarui Guo**, Xiaodong Li, Tong Yang, Yikai Zhao, Yuhan Wu,
Bin Cui, Steve Uhlig, Gong Zhang
*2023 IEEE 39th International Conference on Data Engineering (**ICDE'23**). Apr.
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REncoder: A Space-Time Efficient Range Filter with Local Encoder
Ziwei Wang, Zheng Zhong, **Jiarui Guo**, Yuhan Wu, Haoyu Li, Tong Yang,
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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
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Hengrui Wang, Yifei Xu, Steve Uhlig, Yaofeng Tu
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Security of Programmable Network Infrastructures (**FFSPIN'22**). Aug. 2022*