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Research interests Approximate algorithms in data streams, Computer network systems

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	B.Sc. in Computer Science (double in Mathematics)	2019 – Present

SketchPolymer: Estimate Per-item Tail Quantile Using One Sketch
Jiarui Guo, Yisen Hong, Yuhan Wu, Yunfei Liu, Tong Yang, Bin Cui
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SteadySketch: Finding Steady Flows in Data Streams
Xiaodong Li, Zhuochen Fan, Haoyu Li, Zheng Zhong, **Jiarui Guo**, Sheng Long,
Tong Yang, Bin Cui
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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
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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,
 Yaofeng Tu, Huanchen Zhang, Bin Cui
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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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