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**Research interests** Approximate algorithms in data streams, Computer network systems

Education	<b>Peking University</b>	Beijing, China
	B.Sc. in Computer Science (double in Mathematics)	2019 – Present

**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*

**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*