

# Jiarui Guo

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

**Education**      **Peking University**      Beijing, China  
BA in Computer Science (double in Mathematics)      2019 – Present

**Nantong Middle School**      Nantong, Jiangsu, China  
2016 – 2019

**Publications**      **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 Workshop on Formal Foundations and Security of Programmable Network Infrastructures (FFSPIN'22)* Aug. 2022