JIA ZHANG

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Education

Tsinghua University China
Ph.D. Student with Department of Computer Science and Technology *2018 – 2023*
- Advisor: Prof. Mingwei Xu.

Tsinghua University China
B.Eng. with Department of Electronic Engineering, minor in Business Administration *2014 – 2018*

Work Experience

Research Intern | *Baidu Inc., China* Fall 2019 - Now
- BFE Team, Mentor: Mr. Sijie Yang.

Visiting Research Assistant | *University of Surrey, UK* Summer 2019
- 5G Innovation Centre, Advisor: Prof. Ning Wang.

Research Assistant | *Tsinghua University, China* Fall 2016 - Spring 2017
- Lab of New Generation Network Technology & Applications, Advisor: Prof. Yongfeng Huang

Research

Research Interest
- Learning-based Network Systems
- Transport Layer Performance Measurement and Improvement
- Wireless Networks

Publications
- (Under Submission) **Jia Zhang**, Enhuan Dong, Zili Meng, Yuan Yang, Mingwei Xu, Sijie Yang, Miao Zhang Yang Yue. WiseTrans: Adaptive Transport Protocol Selection for Mobile Web Service, Submitted to TheWebConf 2021.
- **(ToN'21)** Zili Meng, Yaning Guo, Yixin Shen, Jing Chen, Chao Zhou, Minhu Wang, **Jia Zhang**, Mingwei Xu, Chen Sun, Hongxin Hu, Practically Deploying Heavyweight Adaptive Bitrate Algorithms With Teacher-Student Learning, IEEE/ACM Transactions on Networking (ToN), 2021.
- **(SIGIR'17)** Fangzhao Wu, **Jia Zhang**, Zhigang Yuan, Sixing Wu, Yongfeng Huang, and Jun Yan. 2017. Sentence-level sentiment classification with weak supervision. In Proceedings of the 40th International ACM SIGIR Conference on Research and Development in Information Retrieval, SIGIR 2017. 973–976.

Research Experience
- Extend BBR congestion control algorithm into MPQUIC
- Measurements of TCP and QUIC performance under 4G and 5G
- A large scale measurement of TCP and QUIC performance under wireless networks with an operating mobile web service

Teaching and Tutoring

Teaching Assistant Fall 2020
Computer Network Architecture, Department of Computer Science and Technology *Tsinghua University*

Undergraduate Tutor Fall 2018 - Fall 2020
Department of Electrical Engineering *Tsinghua University*