

Bojie Li 李博杰

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Education

- University of Science and Technology of China 中国科学技术大学 HEFEI, ANHUI, CHINA
Ph.D. in Computer Science Sept. '14 – June '19
Joint Ph.D. program with Microsoft Research Asia.
Advisors: Prof. Enhong Chen and Prof. Lintao Zhang
- University of Science and Technology of China 中国科学技术大学 HEFEI, ANHUI, CHINA
B.S. in Computer Science Sept. '10 – July '14
School of Gifted Young 少年班学院
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Work Experience

- Huawei Technologies 华为 BEIJING, CHINA
Senior Engineer June '19 – present
Distributed and Parallel Software Lab, Central Software Institute, Huawei 2012 Labs
华为 2012 实验室, 中央软件院, 分布式与并行软件实验室
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Internship Experience

- Microsoft Research Asia 微软亚洲研究院 BEIJING, CHINA
Intelligent Cloud and Edge Group (Systems Research Group) Oct. '16 – May '19
Advisor: Prof. Lintao Zhang
- Wireless and Networking Research Group** July '15 – Sept. '16
Advisor: Prof. Kun Tan
- Wireless and Networking Research Group** July '13 – Sept. '14
Advisor: Prof. Kun Tan
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Thesis Topic

- High performance data center systems with programmable NICs**
基于可编程网卡的高性能数据中心系统
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Publications

- SocksDirect: Datacenter Sockets can be Fast and Compatible**
Bojie Li, Tianyi Cui, Zibo Wang, Wei Bai, and Lintao Zhang.
Proceedings of the 2019 ACM SIGCOMM Conference (SIGCOMM '19) (CCF A).
- KV-Direct: High-Performance In-Memory Key-Value Store with Programmable NIC**
Bojie Li, Zhenyuan Ruan, Wencong Xiao, Yuanwei Lu, Yongqiang Xiong, Andrew Putnam, Enhong Chen, and Lintao Zhang.
Proceedings of the 26th ACM Symposium on Operating Systems Principles (SOSP'17) (CCF A).
- ClickNP: Highly Flexible and High-performance Network Processing with Reconfigurable Hardware**
Bojie Li, Kun Tan, Layong (Larry) Luo, Yanqing Peng, Renqian Luo, Ningyi Xu, Yongqiang Xiong, Peng Cheng, and Enhong Chen.
Proceedings of the 2016 ACM conference on SIGCOMM (SIGCOMM'16) (CCF A).
- Multi-path Transport for RDMA in Datacenters**
Yuanwei Lu, Guo Chen, Bojie Li, Kun Tan, Yongqiang Xiong, Peng Cheng, Jiansong Zhang, Enhong Chen, and Thomas Moscibroda.
15th USENIX Symposium on Networked Systems Design and Implementation (NSDI'18) (CCF A).

Fast and Cautious: Leveraging Multi-path Diversity for Transport Loss Recovery in Data Centers

Guo Chen, Yuanwei Lu, Yuan Meng, **Bojie Li**, Kun Tan, Dan Pei, Peng Cheng, Layong (Larry) Luo, Yongqiang Xiong, Xiaoliang Wang, and Youjian Zhao.

Proceedings of the 2016 USENIX Annual Technical Conference (ATC'16) (CCF A).

FUSO: Fast Multi-Path Loss Recovery for Data Center Networks

Guo Chen, Yuanwei Lu, Yuan Meng, **Bojie Li**, Kun Tan, Dan Pei, Peng Cheng, Layong (Larry) Luo, Yongqiang Xiong, Xiaoliang Wang, and Youjian Zhao.

IEEE/ACM Transactions on Networking (TON) (CCF A).

ST-Accel: A High-level Programming Platform for Steaming Applications on FPGA

Zhenyuan Ruan, Tong He, **Bojie Li**, Peipei Zhou, and Jason Cong.

Proceedings of 26th IEEE International Symposium on Field-Programmable Custom Computing Machines 2018 (FCCM'18) (CCF C).

Dedas: Online Task Dispatching and Scheduling with Bandwidth Constraint in Edge Computing

Jiaying Meng, Haisheng Tan, Chao Xu, Wanli Cao, Liuyan Liu, and **Bojie Li**.

Proceedings of the 2019 IEEE International Conference on Computer Communications (INFOCOM '19) (CCF A).

The Feniks FPGA Operating System for Cloud Computing

Jiansong Zhang, Yongqiang Xiong, Ningyi Xu, Ran Shu, **Bojie Li**, Peng Cheng, Guo Chen, and Thomas Moscibroda.

Proceedings of the 8th Asia-Pacific Workshop on Systems (APSys '17).

Memory Efficient Loss Recovery for Hardware-based Transport in Datacenter

Yuanwei Lu, Guo Chen, Zhenyuan Ruan, Wencong Xiao, **Bojie Li**, Jiansong Zhang, Yongqiang Xiong, Peng Cheng, and Enhong Chen.

Proceedings of the 1st Asia-Pacific Workshop on Networking (APNet '17).

Towards Stateless RNIC for Data Center Networks

Pulin Pan, Guo Chen, Xizheng Wang, Huichen Dai, **Bojie Li**, Binzhang Fu, and Kun Tan.

Proceedings of the 3rd Asia-Pacific Workshop on Networking (APNet '19).

Fast and Compatible User-Space Container Networking with Programmable NIC

Bojie Li, Zibo Wang, Tianyi Cui, and Lintao Zhang.

SOSP Student Research Competition 2017 (poster), Final Presentation Rounds.

A High-Performance and Flexible Chemical Structure & Data Search Engine Built on CouchDB & ElasticSearch

Ren-zhi Li, **Bo-jie Li**, Guo-zhen Zhang, Jun Jiang, and Yi Luo.

Chinese Journal of Chemical Physics 31, 341 (2018).

Recent Awards

中国科学院院长优秀奖 (CAS Presidential Scholarship)	2019
安徽省普通高校品学兼优毕业生 (Honored Graduate in Anhui Province)	Apr. '19
中国科学技术大学优秀毕业生 (Honored Graduate in USTC)	Apr. '19
微软学者奖学金 (Microsoft Research Asia Fellowship Award)	Oct. '17
博士生国家奖学金 (China National Ph.D. Scholarship)	Oct. '17
Global 1st place in IT Pros Category, Microsoft Hackathon 2017	Aug. '17
Most Impact Award in Beijing Venue, Microsoft Hackathon 2017	Aug. '17
Best Presentation Award, MSRA Student Techfest 2016	Oct. '16
Global 2nd place in Cloud and Enterprise, Microsoft Hackathon 2016	Aug. '16

Invited Talks

Google Inc.	<i>Beijing, Sept. '18</i>
Cambricon Technologies	<i>Beijing, Sept. '18</i>
Open Source Operating System Annual Technical Conference (OS2ATC)	<i>Beijing, Dec. '17</i>
Baidu Corporation	<i>Beijing, Nov. '17</i>
University of Science and Technology of China	<i>Hefei, Nov. '17</i>
Fudan University	<i>Shanghai, Nov. '17</i>
The First Asia-Pacific Workshop on Networking (APNet '17)	<i>Hong Kong, Aug. '17</i>
China SDN Research Training Camp	<i>Nanjing, Jul. '17</i>
Microsoft Research Asia Ph.D. Forum	<i>Beijing, Oct. '16</i>
Tsinghua University Ph.D. Forum	<i>Beijing, Sept. '16</i>
University of Science and Technology of China	<i>Hefei, Aug. '16</i>