



Mingxin Li

Ph.D. Student

School of Computer Science

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[GitHub](#) [CV](#)

## Research Interests

Systems and Networking, Network4AI, [extended Berkeley Packet Filter \(eBPF\)](#)

## Experience

### Alibaba Cloud

2025.07 - Present

Intern@Research Group, Luoshen Cloud Networking

### Harbin Institute of Technology

2020.01 - 2022.06

Research Assistant@Blockchain Research Group, Faculty of Computing

## Education

### Nanjing University

2022.09 - Present

Ph.D. Student in Computer Science and Technology

Advisor: Prof. Guihai Chen

### Harbin Institute of Technology

2018.09 - 2022.06

B.E. in Software Engineering

## Publications

### [NSDI'26] CStar Gateway: Augmenting Public Cloud Infrastructure for Heterogeneous Network Function Virtualization

[\[Link\]](#)

Haonan Li, Tian Pan, Jin Ke, Baohai Hu, Changgang Zheng, Enge Song, Zhi Xu, Ye Yang, Bowen Yang, Donglin Lai, Yisong Qiao, Bengbing Xue, Jianyuan Lu, Xiaoqing Sun, Shize Zhang, Zihao Fan, Mingxin Li, Song Yang, Jun Liang, Xionglie Wei, Biao Lyu, Rong Wen, Zhigang Zong, Jiao Zhang, Tao Huang, Shunmin Zhu  
23rd USENIX Symposium on Networked Systems Design and Implementation (NSDI'26)

### [NSDI'26] Bifrost: Alibaba's Next-Generation VPC Network with High-Performance Multipath Reliable Transport

[\[Link\]](#)

Zihao Fan, Xing Li, Ye Yang, Bo Jiang, Bowen Yang, Yilong Lv, Yuke Hong, Yinian Zhou, Junnan Cai, Jiayue Xu, Yunrui Hu, Zhao Gao, Ke Sun, Yimin Liu, Xiangdong Zhang, Enge Song, Jianyuan Lu, Xiaoqing Sun, Shize Zhang, Haonan Li, Mingxin Li, Changgang Zheng, Song Yang, Jun Liang, Biao Lyu, Rong Wen, Zhigang Zong, Shunmin Zhu  
23rd USENIX Symposium on Networked Systems Design and Implementation (NSDI'26)

### [IEEE TKDE'24] A Survey of Multi-Dimensional Indexes: Past and Future Trends

[\[Link\]](#)

Mingxin Li, Hancheng Wang, Haipeng Dai, Meng Li, Chengliang Chai, Rong Gu, Feng Chen, Zhiyuan Chen, Shuituan Li, Qizhi Liu, Guihai Chen  
IEEE Transactions on Knowledge and Data Engineering (IEEE TKDE'24)

### [BlockSys'22] Latency Analysis for Raft Consensus on Hyperledger Fabric

[\[Link\]](#)

Xuefeng Piao, Mingxin Li, Fanchao Meng, Huihui Song  
International Conference on Blockchain and Trustworthy Systems (BlockSys'22)

## Teaching Assistant

Introduction to Databases

Fall, 2024

Distributed Networks

Fall, 2023

## Awards and Honors

Excellent Graduate Student

2024

Jiangsu Financial Leasing Scholarship

2024

Presidential Special Scholarship

2022

Excellent Student Scholarship

2021, 2020, 2019

National Scholarship (Top 1.5%)

2019