Mingxin Li

Ph.D. Student
School of Computer Science
Nanjing University
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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 Team, Department of LuoShen Cloud Network
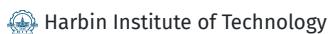
Harbin Institute of Technology	2020.01 - 2022.06

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
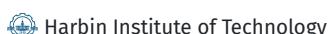
Harbin Institute of Technology	2018.09 - 2022.06

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, Bengbeng 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, Shuaituan 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

Last updated: Dec 2025