

Xuhao Luo
xuhaol2@illinois.edu

Education

2021–2026* **Ph.D. Candidate**, Computer Science, University of Illinois Urbana-Champaign
2019–2021 **M.S.**, Computer Science, University of California San Diego
2015–2019 **B.Sc.**, Applied Physics, University of Science and Technology of China

Awards & Honors

2024 SOSP’24 Best Paper Award
2024 Siebel School’s 24–25 Conference Presentation Award
2024 SOSP’24 Student Travel Grant
2024 EuroSys’24 Student Travel Grant
2022 ASPLOS’22 Student Travel Grant
2019 USTC Class of 2019 Outstanding Graduates

Publications

 [Google Scholar](#)

Journal Articles

ACM ToCS **Xuhao Luo**, Shreesha G. Bhat,[†], Jiyu Hu.[†], Ramnatthan Alagappan, and Aishwarya Ganesan. *LazyLog: A New Shared Log Abstraction and Design for Modern Low-Latency Applications* in *ACM Transactions on Computer Systems* (Aug. 2025)

Peer-reviewed Conference Proceedings

OSDI’25 Shreesha G. Bhat, Tony Hong, **Xuhao Luo**, Jiyu Hu, Ramnatthan Alagappan, and Aishwarya Ganesan. *Low End-to-End Latency atop a Speculative Shared Log with Fix-Ante Ordering* in *Proceedings of the 19th USENIX Symposium on Operating Systems Design and Implementation* (Boston, MA, USA, 2025)
SOSP’24 **Xuhao Luo**, Shreesha G. Bhat,[†], Jiyu Hu.[†], Ramnatthan Alagappan, and Aishwarya Ganesan. *LazyLog: A New Shared Log Abstraction for Low-Latency Applications* in *Proceedings of the ACM SIGOPS 30th Symposium on Operating Systems Principles* (Austin, TX, USA, 2024)
Best Paper Award
Invited for fast-tracked publication in ACM Transactions on Computer Systems
EuroSys’24 **Xuhao Luo**, Ramnatthan Alagappan, and Aishwarya Ganesan. *SplitFT: Fault Tolerance for Disaggregated Datacenters via Remote Memory Logging* in *Proceedings of the Nineteenth European Conference on Computer Systems* (Athens, Greece, 2024)
ATC’22 **Xuhao Luo**, Weihai Shen, Shuai Mu, and Tianyin Xu. *DepFast: Orchestrating Code of Quorum Systems* in *2022 USENIX Annual Technical Conference (USENIX ATC 22)* (Carlsbad, CA, July 2022)

*Expected.

ASPLOS'22 Zhiyuan Guo[†], Yizhou Shan[†], **Xuhao Luo**, Yutong Huang, and Yiyang Zhang. *Clio: a hardware-software co-designed disaggregated memory system* in *Proceedings of the 27th ACM International Conference on Architectural Support for Programming Languages and Operating Systems* (Lausanne, Switzerland, 2022)

[†] → Equal contribution

Research Experience

2022–Now Research Assistant, [Distributed and Storage Systems Lab](#), University of Illinois Urbana-Champaign
Advisor: [Prof. Aishwarya Ganesan](#) and [Prof. Ram Alagappan](#)

2021–2022 Research Assistant, XLab, University of Illinois Urbana-Champaign
Advisor: [Prof. Tianyin Xu](#)

2019–2021 Research Assistant, [WukLab](#), University of California San Diego
Advisor: [Prof. Yiyang Zhang](#)

Work Experience

Summer 2024 **Applied Scientist Intern**, [Amazon Web Service](#)
Seattle, WA, USA

Summer 2022 **Applied Scientist Intern**, [Amazon Web Service](#)
Seattle, WA, USA

Summer 2020 **Research Intern**, [Microsoft Research \(Asia\)](#)
Beijing, China

Summer 2019 **Software Engineer Intern**, [Agora.io](#)
Shanghai, China

Teaching

University of Illinois Urbana-Champaign

2025 Spring Teaching Assistant, Operating System Design (CS423)

2024 Fall Teaching Assistant, Operating System Design (CS423)

2022 Fall Teaching Assistant, Operating System Design (CS423)

Academic Service

Artifact Evaluation Committee

2023 OSDI'23

2023 ATC'23

Shadow PC

2025 EuroSys'26

Last updated: November 6, 2025