

**Xuhao Luo**  
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## 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,<sup>†</sup>, Jiyu Hu,<sup>†</sup>, 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,<sup>†</sup>, Jiyu Hu,<sup>†</sup>, 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)

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\*Expected.

ASPLOS'22 Zhiyuan Guo<sup>†</sup>, Yizhou Shan<sup>†</sup>, **Xuhao Luo**, Yutong Huang, and Yiying 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, <a href="#">Distributed and Storage Systems Lab</a> , University of Illinois Urbana-Champaign Advisor: <a href="#">Prof. Aishwarya Ganesan</a> and <a href="#">Prof. Ram Alagappan</a>
2021–2022	Research Assistant, XLab, University of Illinois Urbana-Champaign Advisor: <a href="#">Prof. Tianyin Xu</a>
2019–2021	Research Assistant, <a href="#">WukLab</a> , University of California San Diego Advisor: <a href="#">Prof. Yiying Zhang</a>

## Work Experience

Summer 2024	<b>Applied Scientist Intern</b> , <a href="#">Amazon Web Service</a> Seattle, WA, USA
Summer 2022	<b>Applied Scientist Intern</b> , <a href="#">Amazon Web Service</a> Seattle, WA, USA
Summer 2020	<b>Research Intern</b> , <a href="#">Microsoft Research (Asia)</a> Beijing, China
Summer 2019	<b>Software Engineer Intern</b> , <a href="#">Agora.io</a> 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
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Last updated: November 6, 2025