

Zhijun Yang

Ph.D. Student in Computer System Architecture, Huazhong University of Science and Technology

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Education

Huazhong University of Science and Technology (HUST)

Ph.D. in Computer System Architecture

Advisor: Prof. Yu Hua

Wuhan, China

Sep. 2023 – Jun. 2028 (expected)

Huazhong University of Science and Technology (HUST)

B.Eng. in Computer Science and Technology

Wuhan, China

Sep. 2019 – Jun. 2023

Research Interests

Distributed systems, disaggregated memory, CXL/RDMA-based systems, and resource disaggregation and pooling.

Publications

- [1] **Zhijun Yang**, Yu Hua, Ming Zhang, Menglei Chen, Xumin Chen, and Aoyang Tong. “XTRA: Unifying Cache Coherence and Concurrency Control for Distributed Transactions in a CXL Pod.” *32nd ACM Symposium on Operating Systems Principles (SOSP ’26)*, to appear. [Paper] [Code]
- [2] **Zhijun Yang**, Yu Hua, Ming Zhang, Menglei Chen, and Yixiao Wang. “FORGE: Mitigating Synchronization Amplification for Memory-Disaggregated Caching Systems.” *20th USENIX Symposium on Operating Systems Design and Implementation (OSDI ’26)*, pp. 977–995, 2026. **Nominated for the Jay Lepreau Best Paper Award.** [Paper] [Code]
- [3] Menglei Chen, Yu Hua, **Zhijun Yang**, Yixiao Wang, and Xumin Chen. “CloverRec: Cost-Efficient Disaggregated Processing-in-Memory Systems for Deep Recommendation Inference.” *25th USENIX Conference on File and Storage Technologies (FAST ’27)*, to appear. [Code]
- [4] Ming Zhang, Yu Hua, and **Zhijun Yang**. “Motor: Enabling Multi-Versioning for Distributed Transactions on Disaggregated Memory.” *18th USENIX Symposium on Operating Systems Design and Implementation (OSDI ’24)*, pp. 801–819, 2024. [Paper] [Code]

Academic Service

Shadow Program Committee Member, EuroSys 2026 (Spring and Fall)	2026
Artifact Evaluation Committee Member, USENIX ATC 2025	2025

Honors and Awards

SOSP 2026 Student Scholarship	2026
OSDI ’26 Student Grant, USENIX	2026
Outstanding Graduate Student, HUST	2024
Science and Technology Innovation Scholarship, HUST	2024
Outstanding Graduate (B.Eng.), HUST	2023
Award for Excellent Performance, NUS School of Computing Summer Workshop	2021