

PUBLICATIONS

1. Fan Lai, Yinwei Dai, Sanjay S. Singapuram, Jiachen Liu, **Xiangfeng Zhu**, Harsha Madhyastha, Mosharaf Chowdhury, "FedScale: Benchmarking Model and System Performance of Federated Learning at Scale", *Proceedings of the 39th International Conference on Machine Learning (ICML 2022)*, Baltimore, MD, 2022
2. Sebastian Burckhardt, Badrish Chandramouli, Chris Gillum, David Justo, Konstantinos Kallas, Connor McMahon, Christopher S. Meiklejohn, **Xiangfeng Zhu**, "Netherite: Efficient and Reliable Execution for Stateful Serverless Applications", *Proceedings of the 48th International Conference on Very Large Databases (VLDB 2022)*, Sydney, Australia, 2022
3. Fan Lai, Yinwei Dai, **Xiangfeng Zhu**, Harsha Madhyastha, Mosharaf Chowdhury, "FedScale: Benchmarking Model and System Performance of Federated Learning", *Proceedings of the First Workshop on Systems Challenges in Reliable and Secure Federated Learning (ResilientFL 2021)*, Virtual, 2021, **Best Paper Award**
4. Fan Lai, **Xiangfeng Zhu**, Harsha Madhyastha, Mosharaf Chowdhury, "Oort: Informed Participant Selection for Scalable Federated Learning", *Proceedings of the 15th USENIX Symposium on Operating Systems Design and Implementation (OSDI 2021)*, Virtual, 2021 (Acceptance Rate: 18.79%), **Distinguished Artifact Award**
5. Fan Lai, Jie You, **Xiangfeng Zhu**, Harsha Madhyastha, Mosharaf Chowdhury, "Sol: Fast Distributed Computation Over Slow Networks", *Proceedings of the 17th USENIX Symposium on Networked Systems Design and Implementation (NSDI 2020)*, Santa Clara, CA, 2020 (Acceptance Rate: 18.36%)
6. Lennart Oldenburg, **Xiangfeng Zhu**, Kamala Ramasubramanian, Peter Alvaro, "Fixed It For You: Protocol Repair Using Lineage Graphs", *Proceedings of the 9th biennial Conference on Innovative Data Systems Research (CIDR 2019)*, Asilomar, CA, 2019

WORK

EXPERIENCE

VMware Research

Research Intern

Mentor: Dr. Radhika Niranjana Mysore

June 2022 - Sep. 2022

Microsoft Research

Research Intern, RiSE Group

Mentor: Dr. Sebastian Burckhardt

May 2021 - Aug. 2021

Databricks

Software Engineer Intern, Serverless Team

May 2020 - Aug. 2020

Dropbox

Software Engineer Intern, Filesystem Team

May 2019 - Aug. 2019

PROFESSIONAL

ACTIVITIES

- **Program Committee:** NeurIPS(Datasets and Benchmarks Track) 2022, EuroSys 2022 (Shadow PC), IMC 2022 (Shadow PC)
- **Student Volunteer:** SoCC 2021, SIGCOMM 2021
- **Artifact Evaluation Committee:** SIGCOMM 2021, OSDI 2021, EuroSys 2021, JSys 2021

OTHER ACTIVITIES

- **Area Chair (System):** UW CSE PhD Admissions Committee, 2022
- **Reader:** UW CSE PhD Admissions Committee, 2021
- **Mentor:** UW CSE PhD Pre-Application Mentorship Service (PAMS), 2021

HONORS &
AWARDS

- **Best Paper Award**, ACM SOSP ResilientFL, 2021
For *FedScale: Benchmarking Model and System Performance of Federated Learning*
- **Distinguished Artifact Award**, USENIX OSDI, 2021
For *Oort: Efficient Federated Learning via Guided Participant Selection*
- **Allen School Computer Science & Engineering Research Fellowship**, 2021
- **Conference Student Grant**, HotNets '22, OSDI '20, FAST '21, NSDI '21, OSDI '21