

Undergraduate Researcher Mar. 2017 - Aug. 2017
Storage System Research Center, UC Santa Cruz
Worked under: Prof. Darrell D. E. Long and Prof. Ethan L. Miller

Rogue Cell tower(IMSI Catcher) detector

- Wrote a design document with three lab partners detailing the project and future work.
- Co-Designed an algorithm to pinpoint the location of IMSI Catchers based on received signal strength (RSS) and signal spike

PUBLICATIONS

1. 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", *Under Review*
2. 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**
3. 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**
4. 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%)
5. 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

Microsoft Research May 2021 - Aug. 2021
Research Intern , RiSE Group
Mentor: Dr. Sebastian Burckhardt

Databricks May 2020 - Aug. 2020
Software Engineer Intern , Serverless Team

Dropbox May 2019 - Aug. 2019
Software Engineer Intern , Filesystem Team

PROFESSIONAL ACTIVITIES

- **Program Committee:** EuroSys 2022(Shadow PC)
- **Student Volunteer:** SoCC 2021, SIGCOMM 2021
- **Artifact Evaluation Committee:** SIGCOMM 2021, OSDI 2021, EuroSys 2021, JSys 2021

OTHER ACTIVITIES

- **Reader:** UW CSE PhD Admissions Committee, 2021
- **Mentor:** UW CSE PhD program Pre-Application Mentorship Service (PAMS), 2021

AWARDS	<ul style="list-style-type: none"> • ResilientFL Best Paper Award: <i>FedScale: Benchmarking Model and System Performance of Federated Learning</i>, 2021 • OSDI Distinguished Artifact Award: <i>Oort: Efficient Federated Learning via Guided Participant Selection</i>, 2021 • Allen School Computer Science & Engineering Research Fellowship, 2021 • Conference Student Grant, OSDI '20, FAST '21, NSDI '21, OSDI '21
SKILLS	<ul style="list-style-type: none"> • Programming: Java, C, C++, Python, Scala, Bash, SQL, HTML, CSS, L^AT_EX • Tools: Perf, GDB, Valgrind, Make, Git, Vim, Docker
MISCELLANEOUS	<ul style="list-style-type: none"> • Personal Blog: xzhu0027.gitbook.io/blog/