

Xiangfeng Zhu

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	<ul style="list-style-type: none"> • 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	<ol style="list-style-type: none"> 1. Fan Lai, Xiangfeng Zhu, Harsha Madhyastha, Mosharaf Chowdhury, "Oort: Informed Participant Selection for Scalable Federated Learning", arXiv:2010.06081, <i>Submitted to NSDI' 21</i> 2. Fan Lai, Jie You, Xiangfeng Zhu, Harsha Madhyastha, Mosharaf Chowdhury, "Sol: Fast Distributed Computation Over Slow Networks", <i>Proceedings of the 17th USENIX Symposium on Networked Systems Design and Implementation (NSDI 2020)</i>, Santa Clara, CA, 2020 (Acceptance Rate: 18.36%) 3. Lennart Oldenburg, Xiangfeng Zhu, Kamala Ramasubramanian, Peter Alvaro, "Fixed It For You: Protocol Repair Using Lineage Graphs", <i>Proceedings of the 9th biennial Conference on Innovative Data Systems Research (CIDR 19)</i>, Asilomar, CA, 2019
WORK EXPERIENCE	<div> Databricks May 2020 - Aug. 2020 </div> <div> <i>Software Engineer Intern</i>, Serverless Team <ul style="list-style-type: none"> • Developed an efficient recycling mechanism for Spark clusters • Designed and implemented a framework for zero downtime Spark cluster upgrade based on rolling updates and cluster pools </div> <div> Dropbox May 2019 - Aug. 2019 </div> <div> <i>Software Engineer Intern</i>, Filesystem Team <ul style="list-style-type: none"> • Worked on the next-generation distributed filesystem for Dropbox • Designed and implemented an asynchronous system to unmount namespaces that a user loses access to • Redesigned our Mapreduce framework to be more efficient and fault-tolerant using RocksDB and gRPC </div>
PROFESSIONAL ACTIVITIES	<ul style="list-style-type: none"> • EuroSys 2021, Artifact Evaluation Committee
OTHER EXPERIENCE	<ul style="list-style-type: none"> • CMPE107: Probability and Statistics, UC Santa Cruz, Grader Spring 2018 • CMPS12B: Introduction to Data Structures, UC Santa Cruz, Learning Assistant Spring 2018, Winter 2018 • CMPS101: Algorithms and Abstract Data Types, UC Santa Cruz, Learning Assistant Fall 2017, Winter 2018
AWARDS	<ul style="list-style-type: none"> • OSDI Conference Student Grant, 2020 • Dean's Honor List: Fall 2016, Winter 2017, Spring 2017, Winter 2018, Spring 2018
SKILLS	<ul style="list-style-type: none"> • Programming: Java, C, C++, Python, Scala, Bash, SQL, HTML, CSS, \LaTeX • Tools: Perf, GDB, Valgrind, Make, Git, Vim, Docker
MISCELLANEOUS	<ul style="list-style-type: none"> • Personal Blog: xzhu0027.gitbook.io/blog/