Fang Zhou

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Fang's Homepage

Research Interests

Performance Analysis, Operating Systems, and Distributed Systems.

Education

2015 - Now	**Ph.D.** in Computer Science, The Ohio State University. Advisor: Dr.Yang Wang.
2013 - 2015	**M.S.** in Computer Science, Auburn University.
2010 - 2012	**M.E.** in Computer Science, Harbin Institute of Technology.
2006 - 2010	**B.E.** in Computer Science, Central South University.

Publications

OSDI'18	**Fang Zhou**, Yifan Gan, Sixiang Ma, and Yang Wang. "wPerf: Generic Off-CPU Analysis to Identify Bottleneck Waiting Events". The 13th USENIX Symposium on Operating Systems Design and Implementation (OSDI 2018), Carlsbad, CA, October, 2018.
Tech Report'18	**Fang Zhou**, Yifan Gan, Sixiang Ma, and Yang Wang. "wPerf: Generic Off-CPU Analysis to Identify Bottleneck Waiting Events". Technical Report, The Ohio State University, 2018.
SOSP'17 SRC	**Fang Zhou**. "wPerf: Identifying Critical Waiting in Multi-threaded Applications". ACM Student Research Competition (SRC 17) Held in Conjuction with Symposium on Operating Systems Principles (SOSP), Shanghai, China, November, 2017.
NAS'15	**Fang Zhou**, Hai Pham, Jianhui Yue, Hao Zou, and Weikuan Yu. "SFMapReduce: An optimized MapReduce framework for Small Files". The 12th International Conference on Networking, Architecture, and Storage (NAS), Boston, MA, August, 2015.
Tech Report'15	**Fang Zhou**, Huansong Fu, Kevin Vasko, and Weikuan Yu. "A New Large-Scale Cloud Image Processing Framework using MapReduce". Technical Report, Auburn University, 2015.
CISP'09	Changyun Miao, **Fang Zhou**, Chunqing Ye, and Jing Liu. "Design of an Ultrasonic Detecting System Based on LabVIEW". The 2nd International Congress on Image and Signal Processing (CISP), Shanghai, China, 2009.
TMT'09	Hua Fu, Dan Zhao, **Fang Zhou**. "Research on Application of RS-RBF Information Fusion in Gas Monitoring". Transducer and Microsystem Technologies, 2009.

Honors & Awards

2019	SOSP 2019 Student Travel Grant.
2018	OSDI 2018 Student Travel Grant.
2018	Selected for Poster Round in SOSP SRC 2017.
2017	SOSP 2017 & SOSP SRC 2017 Student Travel Grant.
2013 - 2015	Woltosz Fellowship at Auburn University.
2010 - 2012	Scholarship at Harbin Institute of Technology.
2006 - 2010	Scholarship at Central South University.
2006	Outstanding Freshman Scholarship at Central South University.

Professional Services

ASPLOS 2020	Artifact Evaluation Committee.
Eurosys 2020	Shadow PC.
SOSP 2019	Artifact Evaluation Committee.

Selected Projects

2018 - 2019	TailMRI: a Fine-grained and Low-overhead Tail Latency Analysis Tool.
2016 - 2018	wPerf: a Tool to Help Identifying Bottleneck Waiting Events.
2014 - 2015	SFMapReduce: an Optimized Framework for Small Files based on Hadoop.

Teaching Experience

Fall 2019	Teaching Assistant, CSE 5243 Introduction to Data Mining, OSU.
Spring 2019	Teaching Assistant, CSE 5243 Introduction to Data Mining, OSU.
Fall 2018	Teaching Assistant, CSE 5243 Introduction to Data Mining, OSU.
Fall 2017	Teaching Assistant, CSE 2431 Introduction to Operating Systems, OSU.
Fall 2017	Teaching Assistant, CSE 5234 Distributed Enterprise Computing, OSU.
Fall 2015	Teaching Assistant, CSE 5351 Introduction to Cryptography, OSU.
Spring 2015	Teaching Assistant, COMP 3220 Principles of Programming Languages, AU.