

# Lu Zhang

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EDUCATION	<b>Shanghai Jiao Tong University (SJTU)</b> <ul style="list-style-type: none"><li>• Ph.D Candidate in Computer Science.</li><li>• Supervisor: Prof. <a href="#">Chao Li</a></li></ul>	Sep 2016 – Present
	<b>Northwestern Polytechnical University (NWPU)</b> <ul style="list-style-type: none"><li>• Bachelor of Engineering in Software Engineering</li></ul>	Sep 2012 – Jun 2016
RESEARCH INTERESTS	Edge Computing Architecture and System Distributed and Shared-Memory Graph Processing Architecture and System support for AI Applications;	
PUBLICATIONS	<b>JOURNALS</b> <ul style="list-style-type: none"><li>• Rong Zeng, Xiaofeng Hou, <b>Lu Zhang</b>, Chao Li, Wenli Zheng, Minyi Guo. "Performance Optimization for <u>Microservice</u> in the Cloud: State-of-the-Art and Research Opportunities". <i>Frontiers of Computer Science (FCS)</i>, 2020</li><li>• Jing Wang, <b>Lu Zhang</b>, Pengyu Wang, Jiahong Xu, Chao Li, Haojin Zhu, Xuehai Qian and Minyi Guo. "Memory system optimization for graph processing: A survey". <i>SCIENTIA SINICA Informationis (Chinese)</i>, Volume 49 , Issue 3, 2019</li></ul>	
	<b>CONFERENCES</b> <ul style="list-style-type: none"><li>• Xiaofeng Hou, Chao Li, Jiacheng Liu, <b>Lu Zhang</b>, Yang Hu and Minyi Guo. "ANT-Man: Towards Agile Power Management in the <u>Microservice</u> Era". <i>Proc. the ACM/IEEE International Conference for High Performance Computing, Networking, Storage, and Analysis (SC)</i>, Nov. 2020</li><li>• Jianzong Wang, Zhangcheng Huang, Lingwei Kong, Jing Xiao, Pengyu Wang, <b>Lu Zhang</b>, Chao Li. "Performance of Training Sparse Deep Neural Networks on <u>GPUs</u>". <i>Proc. the 23rd Annual High-Performance Extreme Computing Conference (HPEC)</i>, Sep. 2019</li><li>• <b>Lu Zhang</b>, Chao Li, Pengyu Wang, Yunxin Liu, Yang Hu, Quan Chen and Minyi Guo. "Characterizing and Orchestrating NFV-Ready Servers for Efficient Edge Data Processing". <i>Proc. the IEEE/ACM International Symposium on Quality of Service (IWQoS)</i>, June 2019</li><li>• Pengyu Wang, <b>Lu Zhang</b>, Chao Li and Minyi Guo. "Excavating the Potential of GPU for Accelerating Graph Traversal". <i>Proc. the 33rd IEEE International Parallel and Distributed Processing Symposium (IPDPS)</i>, May 2019</li></ul>	
ACADEMIC PROJECT	<b>General Computer Technique and System for Graph Computing</b> <ul style="list-style-type: none"><li>• Build a program framework for heterogeneous graph</li><li>• Design a specific HLS for graph processing</li></ul>	May 2018 - Apr 2020
PROFESSIONAL ACTIVITIES	<b>Academic Services</b> <ul style="list-style-type: none"><li>• Volunteer @ Shanghai CCF YOCSEF 20th Anniversary</li></ul>	Jun 2019
	<b>Membership</b> <ul style="list-style-type: none"><li>• Student Member, Institute of Electrical and Electronics Engineers (IEEE)</li><li>• Student Member, Association for Computing Machinery (ACM)</li><li>• Student Member, China Computer Federation (CCF)</li></ul>	
TEACHING EXPERIENCES	Teaching Assistant @ CS 236 - Cloud Computing Technology Teaching Assistant @ SE 346 - Computer Architecture	2018 Fall Semester 2020 Spring Semester

<b>HONORS AND AWARDS</b>	<b>Graph Challenge Finallist</b>	2019
	<b>Nomination of Outstanding TA</b> , Shanghai Jiao Tong University	2018
	<b>Outstanding Graduate</b> , Northwestern Polytechnical University	2016
	<b>Undergraduate National Scholarship</b> , Ministry of Education of China	2015

**SKILLS**

**Programming language:** C/C++, Java, Python, PHP, Matlab

**Software and framework:** Latex, Docker, Pytorch

*[Last updated on 2020-07-16]*