

Danyang Zhuo

CONTACT INFORMATION	Paul G. Allen School of Computer Science and Engineering University of Washington Seattle, WA 98105 USA	https://danyangzhuo.com danyangz@cs.washington.edu
EDUCATION	University of Washington - Seattle Ph.D. in Computer Science and Engineering Thesis: Towards Efficient and Reliable Data Center Systems Advisors: Prof. Thomas E. Anderson and Prof. Arvind Krishnamurthy University of Illinois - Urbana Champaign B.S. in Electrical Engineering with Highest Honor Advisor: Prof. Nitin Vaidya	Sep 2013 – Present Aug 2009 – May 2013
PROFESSIONAL EXPERIENCE	Microsoft Research Part-time contractor (through Populus Group) Microsoft Research Research Intern Google Software Development Engineering Intern Amazon Web Service Software Development Engineering Intern Microsoft Azure Software Development Engineering Intern	Oct 2015 – Feb 2017 Jun 2015 – Sep 2015 Sep 2014 – Mar 2015 May 2013 – Sep 2013 May 2012 – Aug 2012
PUBLICATIONS	<ul style="list-style-type: none">[10] Samantha Miller, Kaiyuan Zhang, Danyang Zhuo, Shibin Xu, Arvind Krishnamurthy, Thomas E. Anderson. <i>Practical Safe Linux Kernel Extensibility</i>. The 17th Workshop on Hot Topics in Operating Systems (HotOS), 2019.[9] Danyang Zhuo, Kaiyuan Zhang, Yibo Zhu, Hongqiang Harry Liu, Matthew Rockett, Arvind Krishnamurthy, Thomas E. Anderson. <i>Slim: OS Kernel Support for a Low-Overhead Container Overlay Network</i>. The 16th USENIX Symposium on Networked Systems Design and Implementation (NSDI), 2019.[8] Danyang Zhuo, Monia Ghobadi, Ratul Mahajan, Klaus-Tycho Förster, Arvind Krishnamurthy and Thomas E. Anderson. <i>Understanding and Mitigating Packet Corruption in Data Center Networks</i>. In Proceedings of the Conference of the ACM Special Interest Group on Data Communication (SIGCOMM), 2017.[7] Danyang Zhuo, Monia Ghobadi, Ratul Mahajan, Amar Phanishayee, Xuan Kelvin Zou, Hang Guan, Arvind Krishnamurthy and Thomas E. Anderson. <i>RAIL: A Case for Redundant Arrays of Inexpensive Links in Data Center Networks</i>. The 14th USENIX Symposium on Networked Systems Design and Implementation (NSDI), 2017.[6] Danyang Zhuo, Qiao Zhang, Xin Yang, Vincent Liu. <i>Canaries in the Network</i>. The 15th ACM Workshop on Hot Topics in Networks (HotNets), 2016.[5] Danyang Zhuo, Qiao Zhang, Vincent Liu, Arvind Krishnamurthy, Thomas E. Anderson. <i>Rack-level Congestion Control</i>. The 15th ACM Workshop on Hot Topics in Networks (HotNets), 2016.[4] Vincent Liu, Danyang Zhuo, Simon Peter, Arvind Krishnamurthy and Thomas E. Anderson. <i>Subways: A Case for Redundant, Inexpensive Data Center Edge Links</i>. The 13th International Conference on emerging Networking EXperiments and Technologies (CoNEXT), 2015.	

	[3] Danyang Zhuo , Qiao Zhang, Dan Ports, Arvind Krishnamurthy, Thomas E. Anderson. <i>Machine Fault Tolerance for Reliable Datacenter Systems</i> . The 5th Asia-Pacific Workshop on Systems (APSys), 2014.	
TECHNICAL REPORTS	[2] Kaiyuan Zhang, Danyang Zhuo , Aditya Akella, Arvind Krishnamurthy, Xi Wang. <i>Design and Verification of Software Middleboxes using Gravel</i> . UW CSE Technical Report, 2018. [1] Qiao Zhang, Danyang Zhuo , Vincent Liu, Petr Lapukhov, Simon Peter, Arvind Krishnamurthy, Thomas E. Anderson. <i>Volur: Concurrent Edge/Core Route Control in Data Center Networks</i> . arXiv, 2018.	
PATENTS	[1] Monia Ghobadi, Ratul Mahajan, Amar Phanishayee, Danyang Zhuo , Xuan Kelvin Zou. <i>Data Center Topology Having Multiple Classes of Reliability</i> . US Patent 20170302565A1. WIPO Patent 2017180450A1.	
AWARDS	Madrona Prize Runner-Up, University of Washington - Seattle 2018 Hachlerl Endowed Fellowship, University of Washington - Seattle 2013 – 2014 Ellery B. Paine Outstanding Junior Award, University of Illinois - Urbana Champaign 2012 Rank 146th in the William Lowell Putnam Mathematical Competition 2012	
TEACHING EXPERIENCE	Introduction to Operating Systems (CSE 451) Autumn 2017 University of Washington - Seattle Teaching Assistant Introduction to Computer Communication Networks (CSE 461) Spring 2014 University of Washington - Seattle Teaching Assistant	
STUDENTS MENTORING	Kaiyuan Zhang (Ph.D.) 2017-2018 Samantha Miller (Ph.D.) 2018 Matthew Rockett (B.S./M.S.) 2017-2018 Shibin Xu (B.S.) 2018	
SERVICE	Reviewer IEEE Transactions on Cloud Computing 2018 IEEE/ACM Transactions on Networking 2017-2018 Journal of Network and Computer Applications 2017-2018 Department Service UW CSE Graduate Admissions Committee 2017-2018	
REFERENCES	Thomas E. Anderson tom@cs.washington.edu Warren Francis and Wilma Kolm Bradley Chair Paul G. Allen School of Computer Science and Engineering University of Washington Arvind Krishnamurthy arvind@cs.washington.edu Professor Paul G. Allen School of Computer Science and Engineering University of Washington	

Ratul Mahajan

ratul@ratul.org

Associate Professor

Paul G. Allen School of Computer Science and Engineering

University of Washington

Manya Ghobadi

ghobadi@mit.edu

Assistant Professor

Department of Electrical Engineering and Computer Science

Massachusetts Institute of Technology