

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	Sep 2013 – Present
	University of Illinois - Urbana Champaign B.S. in Electrical Engineering with Highest Honor Advisor: Prof. Nitin Vaidya	Aug 2009 – May 2013
PROFESSIONAL EXPERIENCE	Microsoft Research Part-time contractor (through Populus Group)	Oct 2015 – Feb 2017
	Microsoft Research Research Intern	Jun 2015 – Sep 2015
	Google Software Development Engineering Intern	Sep 2014 – Mar 2015
	Amazon Web Service Software Development Engineering Intern	May 2013 – Sep 2013
	Microsoft Azure Software Development Engineering Intern	May 2012 – Aug 2012
PUBLICATIONS	<p>[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.</p> <p>[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.</p> <p>[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.</p> <p>[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.</p> <p>[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.</p> <p>[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.</p> <p>[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.</p>	

TECHNICAL REPORTS	<p>[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.</p> <p>[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.</p>	
PATENTS	<p>[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.</p>	
AWARDS	<p>Madrona Prize Runner-Up, University of Washington - Seattle 2018</p> <p>Hacherl Endowed Fellowship, University of Washington - Seattle 2013 – 2014</p> <p>Ellery B. Paine Outstanding Junior Award, University of Illinois - Urbana Champaign 2012</p> <p>Rank 146th in the William Lowell Putnam Mathematical Competition 2012</p>	
TEACHING EXPERIENCE	<p>Introduction to Operating Systems (CSE 451) Autumn 2017 University of Washington - Seattle Teaching Assistant</p> <p>Introduction to Computer Communication Networks (CSE 461) Spring 2014 University of Washington - Seattle Teaching Assistant</p>	
STUDENTS MENTORING	<p>Kaiyuan Zhang (Ph.D.) 2017-2018</p> <p>Samantha Miller (Ph.D.) 2018</p> <p>Matthew Rockett (B.S./M.S.) 2017-2018</p> <p>Shibin Xu (B.S.) 2018</p>	
SERVICE	<p>Reviewer</p> <p>IEEE Transactions on Cloud Computing 2018</p> <p>IEEE/ACM Transactions on Networking 2017-2018</p> <p>Journal of Network and Computer Applications 2017-2018</p> <p>Department Service</p> <p>UW CSE Graduate Admissions Committee 2017-2018</p>	
REFERENCES	<p>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</p> <p>Arvind Krishnamurthy arvind@cs.washington.edu Professor Paul G. Allen School of Computer Science and Engineering University of Washington</p> <p>Ratul Mahajan ratul@ratul.org Associate Professor Paul G. Allen School of Computer Science and Engineering</p>	

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