

Xin Jin

CONTACT INFORMATION	Department of Computer Science Johns Hopkins University 160 Malone Hall, 3400 North Charles Street Baltimore, MD 21218	<i>Mobile:</i> +1-609-827-8858 <i>E-mail:</i> xinjin@cs.jhu.edu <i>homepage:</i> http://www.cs.jhu.edu/~xinjin
RESEARCH INTERESTS	Computer Networking, Distributed Systems. Recent focus: Software-Defined Networking, Cloud Computing, Big Data Analytics Systems.	
EDUCATION	Princeton University	09/2011-06/2016
	Ph.D., Computer Science	
	M.A., Computer Science	
	Advisor: Jennifer Rexford	
	Thesis: <i>Dynamic Control of Software-Defined Networks</i>	
	Peking University	09/2007-07/2011
	B.S., Computer Science, GPA: 3.8/4.0, Rank: 1/130	
	B.A., Economics, GPA: 3.8/4.0	
	Johns Hopkins University	07/2017-Present
	Assistant Professor, Department of Computer Science	
PROFESSIONAL EXPERIENCE	University of California, Berkeley	07/2016-06/2017
	Postdoctoral Researcher, Computer Science Division	
	Host: Ion Stoica	
	Open Networking Lab (ON.LAB)	07/2015
	Academic Visitor	
	Host: Brian O'Connor, Guru Parulkar	
	Rockley Photonics	02/2015-06/2015
	Research Intern	
	Host: Nathan Farrington	
	Microsoft Research Redmond	06/2013-02/2014
	Research Intern	
	Host: Srikanth Kandula, Ratul Mahajan, Jitu Padhye, Ming Zhang	
	WeaverMobile	07/2011-08/2011
	Software Development Intern	
	Host: Mike Ji, Raymond Wei, Xiaosong Yang	
	Microsoft Research Asia	07/2010-08/2010
	Research Intern	
	Host: Chuanxiong Guo	
	PUBLICATIONS	
	Qun Huang, Xin Jin, Patrick P. C. Lee, Runhui Li, Lu Tang, Yi-Chao Chen, Gong Zhang, "SketchVisor: Robust Network Measurement for Software Packet Processing", in <i>ACM SIGCOMM</i> , August 2017.	

- Su Jia, Xin Jin, Golnaz Ghasemiefteh, Jiabin Ding, Jie Gao, “Competitive Analysis for Online Scheduling in Software-Defined Optical WAN”, in *IEEE International Conference on Computer Communications (INFOCOM)*, May 2017.
- Xin Jin, Yiran Li, Da Wei, Siming Li, Jie Gao, Lei Xu, Guangzhi Li, Wei Xu, Jennifer Rexford, “Optimizing bulk transfers with software-defined optical WAN”, in *ACM SIGCOMM*, August 2016.
- Guosai Wang, Shuhao Wang, Bing Luo, Weisong Shi, Yinghang Zhu, Wenjun Yang, Dianming Hu, Longbo Huang, Xin Jin, Wei Xu, “Increasing large-scale data center capacity by statistical power control”, in *European Conference on Computer Systems (EuroSys)*, April 2016.
- Da Wei, Lei Xu, Xin Jin, Yiran Li, Wei Xu, “A 12-rack, 180-server datacenter network (DCN) using multiwavelength optical switching and full stack optimization”, in *Optical Fiber Communication Conference (OFC)*, March 2016.
- Xin Jin, Nathan Farrington, Jennifer Rexford, “Your data center switch is trying too hard”, in *Symposium on SDN Research (SOSR)*, March 2016.
- Xin Jin, Jennifer Gossels, Jennifer Rexford, David Walker, “CoVisor: A compositional hypervisor for software-defined networks”, in *USENIX Symposium on Networked Systems Design and Implementation (NSDI)*, May 2015.
- Xuan Kelvin Zou, Jeffrey Erman, Vijay Gopalakrishnan, Emir Halepovic, Rittwik Jana, Xin Jin, Jennifer Rexford, and Rakesh K. Sinha, “Can accurate predictions improve video streaming in cellular networks?”, in *ACM International Workshop on Mobile Computing Systems and Applications (HotMobile)*, February 2015.
- Xin Jin, Hongqiang Harry Liu, Rohan Gandhi, Srikanth Kandula, Ratul Mahajan, Ming Zhang, Jennifer Rexford, Roger Wattenhofer, “Dynamic scheduling of network updates”, in *ACM SIGCOMM*, August 2014.
- Xin Jin, Jennifer Rexford, David Walker, “Incremental update for a compositional SDN hypervisor”, in *ACM SIGCOMM Workshop on Hot Topics in Software Defined Networking (HotSDN)*, August 2014.
- Xin Jin, Li Erran Li, Laurent Vanbever, Jennifer Rexford, “SoftCell: Scalable and flexible cellular core network architecture”, in *ACM International Conference on emerging Networking EXperiments and Technologies (CoNEXT)*, December 2013.
- Ziyu Shao, Xin Jin, Wenjie Jiang, Minghua Chen, Mung Chiang, “Intra-data-center traffic engineering with ensemble routing”, in *IEEE International Conference on Computer Communications (INFOCOM)*, April 2013.
- Xin Jin, Li Erran Li, Laurent Vanbever, Jennifer Rexford, “CellSDN: Software-Defined Cellular Core Networks”, in *Open Networking Summit (Research Track)*, April 2013.
- Xin Jin, Eric Keller, Jennifer Rexford, “Virtual switching without a hypervisor for a more secure cloud”, in *USENIX Workshop on Hot Topics in Management of Internet, Cloud, and Enterprise Networks and Services (Hot-ICE)*, April 2012.
- Weijie Su, Xin Jin, “Hidden markov model with parameter-optimized k-means clustering for handwriting recognition”, in *International Conference on Internet Computing and Information Services (ICICIS)*, September 2011.
- ChaoYi Bian, Xin Jin, Chao Liu, XiaoMing Li, Wei Yan, “Relative link quality assessment and hybrid routing scheme for wireless mesh networks”, in *IEEE International Conference on Communications (ICC)*, June 2011.

Xin Jin, Weijie Su, Wei Yan, “Quantitative analysis of the VANET connectivity: Theory and application”, in *IEEE Vehicular Technology Conference (VTC)*, May 2011.

Xin Jin, Weijie Su, Wei Yan, “A study of the VANET connectivity by percolation theory”, in *IEEE Intelligent Vehicular Communications System Workshop (IVCS)*, January 2011.

AWARDS & HONORS	Chinese Government Award for Outstanding Students Abroad	2016
	Siebel Scholar, the Siebel Foundation	Class of 2016
	Charlotte Elizabeth Procter Fellowship, Princeton University	2015
	Graduate Fellowship, Princeton University	2011
	Beijing Outstanding Graduates, Peking University	2011
	Peking University Outstanding Graduates, Peking University	2011
	Excellent Bachelor Thesis, School of EECS, Peking University	2011
	National Scholarship, Ministry of Education, China	2010
	China Economic Research Scholarship, Peking University	2010
	National Scholarship, Ministry of Education, China	2009
	Peking University Merit Student, Peking University	2009
	Suzhou Industrial Park Scholarship, Peking University	2008
	Peking University Merit Student, Peking University	2008

TEACHING EXPERIENCE	Princeton University	
	COS 561 Advanced Computer Networks, Teaching Assistant	Fall 2014
	COS 333 Advanced Programming Techniques, Teaching Assistant	Spring 2014
	COS 333 Advanced Programming Techniques, Teaching Assistant	Spring 2013
	Peking University	
	Introduction to Computer Networks, Teaching Assistant	Fall 2011

SERVICE	Organizing Committee	
	2017 APNet17 (Publicity Chair)	
	Technical Program Committee	
	2018 INFOCOM	
	2017 ACM Symposium on SDN Research (SOSR), ACM Asia-Pacific Workshop on Networking (APNet), ACM International Workshop on Hot Topics in Container Networking and Networked Systems (HotConNet17), ACM International Workshop on Hot Topics in Planet-scale mObile computing and online Social neTworking (HotPost)	
	2016 ACM International Workshop on Hot Topics in Planet-scale mObile computing and online Social neTworking (HotPost)	
	2015 ACM International Workshop on Hot Topics in Planet-scale mObile computing and online Social neTworking (HotPost)	

Reviewer

2016 ACM SIGCOMM CCR, IEEE ICCCN, IEEE/ACM Transactions on Networking, IEEE Transactions on Mobile Computing, IEEE Transactions on Network and Service Management, Transactions on Parallel and Distributed Systems, Elsevier Computer Communications

2015 ACM MobiHoc, IEEE INFOCOM, IEEE/ACM Transactions on Networking, IEEE Transactions on Mobile Computing, IEEE Transactions on Services Computing, IEEE Transactions on Communications, IEEE International Conference on Mobile Ad-hoc and Sensor Systems

2014 IEEE/ACM Transactions on Networking, IEEE Transactions on Mobile Computing, IEEE Transactions on Vehicular Technology

2013 IEEE ICNP, IEEE VTC, IEEE Communication Magazine