Curriculum Vitae
Tianyin Xu

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Education

2011/9 –	PhD candidate, University of California San Diego (advisor: Prof. Yuanyuan Zhou)
2009/2 – 2010/6	Visiting student, Georg-August-Universität Göttingen (host: Prof. Xiaoming Fu)
2010/6 Master	Nanjing University, Computer Science
2007/6 Bachelor	Nanjing University, Computer Science

Employment

2015/6 – 2015/9 Research Intern, NetApp Inc. (mentor: Shankar Pasupathy)
2012/6 – 2012/9 Research Intern, NetApp Inc. (mentor: Shankar Pasupathy)
2010/6 – 2011/6 Research Staff, Georg-August-Universität Göttingen

Research Interests

Computer Systems and Networks, with the goal of making computer systems and networks more dependable and manageable.

Recent Publications

2015
1. **Tianyin Xu**, Long Jin, Xuepeng Fan, Yuanyuan Zhou, Shankar Pasupathy, and Rukma Talwadker. Hey, You Have Given Me Too Many Knobs! —Understanding and Dealing with Over-Designed Configuration in System Software. To appear in the 10th Joint Meeting of the European Software Engineering Conference and the ACM SIGSOFT Symposium on the Foundations of Software Engineering (ESEC/FSE'15), Oct. 31–Sep. 4, 2015, Bergamo, Italy.

2. **Tianyin Xu** and Yuanyuan Zhou. Systems Approaches to Tackling Configuration Errors: A Survey. ACM Computing Surveys (CSUR), Volume 47, Number 4, Article 70, Jul. 2015.

3. Zhenhua Li, Christo Wilson, **Tianyin Xu**, Yao Liu, Zhen Lu, and Yinlong Wang. Offline Downloading in China: A Comparative Study. To appear in the 15th ACM Internet Measurement Conference (IMC'15), Oct. 28–30, 2015, Tokyo, Japan.

4. Qinhui Wang, Baoliu Ye, Bin Tang, **Tianyin Xu**, Song Guo, Sanglu Lu, and Weihua Zhuang. ALETHEIA: Robust Large-Scale Spectrum Auctions against False-name Bids. In Proceedings of the 16th ACM International Symposium on Mobile Ad Hoc Networking and Computing (MobiHoc'15), Jun. 22-25, 2015, Hangzhou, China.

2014 5. Zhenhua Li, Cheng Jin, **Tianyin Xu**, Christo Wilson, Yao Liu, Linsong Cheng, Yunhao Liu, Yafei Dai, and Zhi-Li Zhang. Towards Network-level Efficiency for Cloud Storage Services. In Proceedings of the 14th ACM Internet Measurement Conference (IMC'14), Vancouver, Canada, November 2014.

6. Lei Jiao, Jun Li, **Tianyin Xu**, Wei Du, and Xiaoming Fu. Optimizing Cost for Online Social Networks on Geo-Distributed Clouds. IEEE/ACM Transactions on Networking (ToN), Oct, 2014.

7. Jiaqi Zhang, Lakshminarayanan Renganarayana, Xiaolan Zhang, Niyu Ge, Vasanth Bala, **Tianyin Xu**, and Yuanyuan Zhou. EnCore: Exploiting System Environment and Correlation Information for Misconfiguration Detection. In Proceedings of the 19th International Conference on Architectural Support for Programming Languages and Operating Systems (ASPLOS'14). Salt Lake City, UT, March 2014.

2013 8. **Tianyin Xu**, Jiaqi Zhang, Peng Huang, Jing Zheng, Tianwei Sheng, Ding Yuan, Yuanyuan Zhou, and Shankar Pasupathy. Do Not Blame Users for Misconfigurations. In Proceedings of the 24th ACM Symposium on Operating Systems Principles (SOSP'13). Farmington, Pennsylvania, November 2013.

2012 9. Lei Jiao, Jun Li, **Tianyin Xu**, and Xiaoming Fu. Continuous Cost Reduction with Ensured QoS for Geo-Distributed Online Social Networks. In Proceedings of the 20th IEEE International Conference on Network Protocols (ICNP'12). Austin, Texas, October 2012.

10. Cong Ding, Yang Chen, **Tianyin Xu**, and Xiaoming Fu. CloudGPS: A Scalable and ISP-Friendly Server Selection Scheme in Cloud Computing Environments. In Proceedings of the 20th IEEE/ACM International Workshop on Quality of Service (IWQoS'12). Coimbra, Portugal, June 2012.

2011 11. **Tianyin Xu**, Yang Chen, Lei Jiao, Ben Y. Zhao, Pan Hui, and Xiaoming Fu. Scaling Microblogging Services with Divergent Traffic Demands. In Proceedings of the 12th ACM/IFIP/USENIX International Middleware Conference (Middleware'11). Lisbon, Portugal, December 2011.

Teaching Experiences

2014 – 2015	Teaching Methods in Computer Science (CSE 599), Spring quarter, University of California San Diego.
2014 – 2015	Operating Systems (CSE 221), Fall quarter, University of California San Diego.
2014 – 2015	Design and Analysis of Algorithms (CSE 101), Summer session, University of California San Diego.
2014 – 2015	Principles of Operating Systems (CSE 120), Spring quarter, University of California San Diego.
2013 – 2014	Operating Systems (CSE 221), Fall quarter, University of California San Diego.
2012 – 2013	Design and Analysis of Algorithms (CSE 101), Fall quarter, University of California San Diego.
2010 – 2011	Advanced Topics in Computer Networking (for M.Sc./B.Sc.), Winter Semester, Georg-August-Universität Göttingen.
2007 – 2008	Operating Systems (for B.Sc.), Fall Semester, Nanjing University.

Honors and Grants

2014	OSDI Travel Grant
2013	SOSP Student Scholarship
2012	OSDI Travel Grant
2011	Middleware Student Scholarship
2011	Outstanding Master's Degree Thesis of Jiangsu Province, China
2010	SIGCOMM Travel Grant
2010	Outstanding Master's Degree Thesis of Department of Computer Science and Technology, Nanjing University
2009	LiSUM Scholarship
2009	Best Paper Award for International Conference on Communications
2009	IBM China Excellent Student Scholarship
2008	Excellent Graduate Student Award of Nanjing University
2008	HP China Excellent Student Scholarship
2007	Best Student Paper Award for National Database Conference
2006	Mr. Xue-Ping Pan Scholarship
2006	Excellent Undergraduate Student Award of Nanjing University
2005	Jiangsu Province Government Scholarship
2005	People's Scholarship of Nanjing University
2004	People's Scholarship of Nanjing University

Professional Activities

Academic review committee: USENIX LISA 2015
Program committee of MobiSys PhD Forum 2014
Program committee of ICNP PhD Forum 2014
Program committee of ICNP PhD Forum 2013
Web chair of HotPOST 2012, 2013 (in conjunction with ICDCS)
Scribe of ACM SIGCOMM 2010

Reference

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