

Xinyi Zhang

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RESEARCH INTERESTS	Data mining, social network, security, machine learning	
EDUCATION	University of California, Santa Barbara, USA Ph.D. Candidate, Computer Science, 2014-2019 Advisor: Ben Y. Zhao and Heather Zheng Fudan University, China B.Eng., Software Engineering, 2010-2014	
HONORS AND AWARDS	Regents Fellowship from UCSB (2016-2017) Regents Fellowship from UCSB (2014-2015) Fudan University Undergraduate First Scholarship (2013) Fudan University Tencent Corporation Scholarship (2011-2012) Fudan University Shanda Corporation Scholarship (2010-2011) Fudan University Freshman First Scholarship (2010)	
INDUSTRY EXPERIENCE	<i>Research Scientist</i> , Facebook	Aug 2019 - Now
	<ul style="list-style-type: none">• People understanding and modeling	
	<i>Research Intern</i> , Alibaba	Oct 2018 - Feb 2019
	<ul style="list-style-type: none">• Data mining on networking information	
	<i>Software Engineer, Research Intern</i> , Facebook	Jun 2018 - Sep 2018
	<ul style="list-style-type: none">• Using page level information to improve ad policy violation prediction	
	<i>Software Engineer, Research Intern</i> , Google, Inc.	Jun 2017 - Sep 2017
	<ul style="list-style-type: none">• Using account level information to improve image labeling accuracy• Used C++, python; worked with tensorflow	
ACADEMIC EXPERIENCE	<i>Ph.D. Candidate</i> , SAND Lab, University of California, Santa Barbara	2014 - 2019
	<ul style="list-style-type: none">• Measurement/analysis on transaction network• Measurement/analysis on real-time video streaming services• Unsupervised user behavior analysis using network clickstreams and clustering• Link prediction in large dynamic social networks	

Undergraduate Student, Laboratory of Cryptography and Information Security, Fudan University
2012-2014

- Measuring text-to-permission fidelity on Android applications
- Role mining algorithm evaluation and improvement in large volume android applications

PUBLICATIONS
CONFERENCES

Configuring Globally-Deployed ACL Rules via High-Level Intents. Bingchuan Tian *, Xinyi Zhang *, Ennan Zhai, Hongqiang Harry Liu, Qiaobo Ye, Chunsheng Wang, Xin Wu, Zhiming Ji, Yihong Sang, Ming Zhang, Da Yu, Chen Tian, Haitao Zheng, Ben Y. Zhao (* equal contribution). Proceedings of SIGCOMM, 2019

Towards Understanding the Adoption and Social Experience of Digital Wallet Systems Shiliang Tang, Ziming Wu, Xinyi Zhang, Gang Wang, Xiaojuan Ma, Haitao Zheng and Ben Y. Zhao. Proceedings of HICSS, 2019

Penny Auctions are Predictable: Predicting and Profiling User Behavior on DealDash (short paper) Xinyi Zhang, Shawn Shan, Shiliang Tang, Haitao Zheng, Ben Y. Zhao. Proceedings of Hypertext, 2018

Gender Bias in the Job Market: a Longitudinal Analysis. Shiliang Tang, Xinyi Zhang, Jenna Cryan, Miriam Metzger, Haitao Zheng, Ben Y. Zhao. Proceedings of ACM CSCW, 2018

Clickstream User Behavior Models. Gang Wang, Xinyi Zhang, Shiliang Tang, Christo Wilson, Haitao Zheng, Ben Y. Zhao. ACM Transactions on the Web, 2017

Cold Hard E-Cash: Friends and Vendors in the Venmo Digital Payments System. Xinyi Zhang, Shiliang Tang, Yun Zhao, Gang Wang, Haitao Zheng, and Ben Y. Zhao. Proceedings of International AAAI Conference on Web and Social Media (ICWSM), 2017

Identifying Value in Crowdsourced Wireless Signal Measurements. Zhijing Li, Ana Nika, Xinyi Zhang, Yanzi Zhu, Yuanshun Yao, Ben Y. Zhao and Haitao Zheng. Proceedings of World Wide Web Conference (WWW), 2017

Identifying Value in Crowdsourced Wireless Signal Measurements. Zhijing Li, Ana Nika, Xinyi Zhang, Yanzi Zhu, Yuanshun Yao, Ben Y. Zhao and Haitao Zheng. Poster in Workshop on Mobile Computing Systems and Applications (HotMobile), 2017

Anatomy of a Personalized Livestreaming System. Bolun Wang, Xinyi Zhang, Gang Wang, Haitao Zheng, Ben Y. Zhao. Proceedings of ACM Internet Measurement Conference (IMC), 2016

Network Growth and Link Prediction Through an Empirical Lens. Qingyun Liu, Shiliang Tang, Xinyi Zhang, Xiaohan Zhao, Ben Y. Zhao, Haitao Zheng. Proceedings of ACM Internet Measurement Conference (IMC), 2016

Unsupervised Clickstream Clustering For User Behavior Analysis. Gang Wang, Xinyi Zhang, Shiliang Tang, Haitao Zheng, Ben Y. Zhao. Proceedings of SIGCHI Conference on Human Factors in Computing Systems (CHI), 2016

AutoCog: Measuring the Description-to-permission Fidelity in Android Applications. Zhengyang Qu, Vaibhav Rastogi, Xinyi Zhang, Yan Chen, Tiantian Zhu, Zhong Chen. Proceedings of ACM CCS, 2014

SCout: Prying into Supply Chains via a Public Query Interface. Liangxing Liu, Weili Han, Tao

Zhou, Xinyi Zhang. IEEE Systems Journal, 2014

Efficient General Policy Decision by Using Mutable Variable Aware Cache. Liangxing Liu, Weili Han, Elisa Bertino, Tao Zhou, Xinyi Zhang. Proceedings of the 37th IEEE Computer Software and Applications Conference (COMPSAC 2013), 2013

Role Mining Algorithm Evaluation and Improvement in Large Volume Android Applications. Xinyi Zhang, Weili Han, Zheran Fang, Yuliang Yin, Hossen Mustafa. Proceedings of the First International Workshop on Security in Embedded Systems and Smartphones (SESP'13), conjunction with ASIACCS 2013

PROFESSIONAL
EXPERIENCE

- Reviewer: CHI, AAAI, IJCAI, TPDS, IEEE Access