Xianghang Mi

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CONTACT

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WORK AND EDUCATION

08/2015 – Present: Indiana University, Bloomington IN
Ph.D. Student, Department of Computer Science, School of Informatics & Computing
Advisors: Professor Feng Qian and Professor XiaoFeng Wang
Research Interests: Network security and systems.

05/2014 – 05/2015: Baidu, Inc., Beijing, China
Researcher & Software Developer.
Developed the mobile website for Nuomi (Baidu's business-to-team group-buying service).
Engineered user account modules, improved the performance and robustness of the system.

06/2013 – 11/2013: China Asset Management Co., Ltd, Beijing, China
Software Engineer (web application development).
Developed multiple online payment gateways using Java and PHP.
Provided technical support for several large banks as well as 3rd party payment services.

09/2009 – 06/2013: Beijing Institute of Technology, Beijing, China
B.S. Degree, Department of Software Engineering
GPA: 85 / 100 (3.5 / 4.5)
Undergraduate Thesis: An FTP server and client on Android platform
Designed and implemented FTP/FTPS client and server software on Android platform.
Won the Excellent Undergraduate Thesis Award in Beijing Institute of Technology.

PUBLICATIONS

Game of Missuggestions: Semantic Analysis of Search-Autocomplete Manipulations
Peng Wang, Xianghang Mi, Xiaojing Liao, XiaoFeng Wang, Kan Yuan, Feng Qian, and Raheem Beyah
To appear in NDSS 2018, San Diego, CA.

An Empirical Characterization of IFTTT: Ecosystem, Usage, and Performance
Xianghang Mi, Feng Qian, Ying Zhang, and Xiaofeng Wang
To appear in ACM IMC 2017, London, UK.

Picking Up My Tab: Understanding and Mitigating Synchronized Token Lifting and Spending in Mobile Payment
Xiaolong Bai, Zhe Zhou, XiaoFeng Wang, Zhou Li, Xianghang Mi, Nan Zhang, Tongxin Li, S. Hu, Kehuan, Zhang
In Proceedings of USENIX Security Symposium(**USENIX Security**) 2017, VANCOUVER, BC, CANADA.

Under the Shadow of Sunshine: Understanding and Detecting BulletProof Hosting on Legitimate Service Provider Networks
Sumayah Alrwais, Xiaojing Liao, Xianghang Mi, Peng Wang, XiaoFeng Wang, Feng Qian, Raheem Beyah, Damon McCoy
In Proceedings of IEEE Symposium on Security and Privacy(**S&P**) 2017, San Jose, CA.

Understanding IoT Security Through the Data Crystal Ball: Where We Are Now and Where We Are Going to Be

Nan Zhang, Soteris Demetriou, Xianghang Mi, Wenrui Diao, Kan Yuan, Peiyuan Zong, Feng Qian, XiaoFeng Wang, Kai Chen, Yuan Tian, Carl A Gunter, Kehuan Zhang, Patrick Tague, Yue-Hsun Lin
In Journal arXiv preprint, 2017.

SMig: Stream Migration Extension For HTTP/2
Xianghang Mi, Feng Qian, and XiaoFeng Wang.
In Proceedings of ACM CoNEXT 2016, Irvine, CA.

Design of Control System Based on Android for the Indoor Height Space Items Storage and Intelligent Management System
Tianqi Wei, Qingsheng Luo, Yong Wang and Xianghang Mi
In Journal of Machinery & Electronics, 2013.

HONORS AND AWARDS

Student Travel Grant: ACM CoNEXT 2016.

2013 Excellent Undergraduate Thesis Award at Beijing Institute of Technology.

2013 Top 10 of National College Student Innovation and Practice Projects at Beijing Institute of Technology.

2012 1st Class Prize of Beijing 6th Mechanic and Electronic Innovation Contest.

2010/2011/2012 1st Class Scholarship at Beijing Institute of Technology.

2010 2nd Class Prize of the Asia Info Cup Programming Contest at Beijing Institute of Technology.

2010 National Motivational Scholarship at Beijing Institute of Technology.

PROFESSIONAL SERVICES

Reviewer: IEEE Transaction on Mobile Computing.
External Reviewer: IEEE ICDCS 2017, ACM AsiaCCS 2016, BIGCOM 2016.

TEACHING

Guest Lecturer: CSCI P438 (Computer Networks, IU, Fall 2016), CSCI P538 (Advanced Computer Networks, IU, Fall 2016).

SKILLS

Programming Languages: C, Python, Java, PHP, Bash, Javascript.
Artifical Intelligence: Machine Learning, NLP.
Database: SQL, MongoDB, MySql.
Operating System: Linux.