Weihang Wang

Assistant Professor
Computer Science and Engineering Department
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EDUCATION

Purdue University
Ph.D., Computer Science   08/2018
Specialization: Web Security, Software Engineering and Program Analysis

Chinese Academy of Sciences
Master of Science, Computer Science   06/2010
Specialization: Networking

China Agricultural University
Bachelor of Engineering, Computer Science   06/2007

WORK EXPERIENCE

Assistant Professor, **University at Buffalo**, Buffalo, NY	08/2018 - present
Research Assistant, **Purdue University**, West Lafayette, IN	08/2013 - 08/2018
Software Engineer Intern, **Box Inc.**, Los Altos, CA	06/2013 - 08/2013
Teaching Assistant, **Purdue University**, West Lafayette, IN	08/2012 - 05/2013
Research Assistant, **Chinese Academy of Sciences**, Beijing, China	08/2008 - 06/2010
Research Assistant, **Peking University**, Beijing, China	01/2007 - 05/2007

AWARDS

– Maurice H. Halstead Memorial Award for Outstanding Research in Software Engineering, Purdue University (2018)
– SIGSOFT CAPS Grants for ISSTA'16 (2016)
– Outstanding Master Thesis Award, Chinese Academy of Sciences (2010)
– Hong Kong Tsung Tsin Scholarship, China Agricultural University (2006)
– Outstanding Foreign Language Scholarship, China Agricultural University (2006)

SERVICES

Program Committee	ISSTA'17 Artifact Evaluation Committee
Journal Reviewer	IEEE Transactions on Mobile Computing 2018,
	IEEE Transactions on Software Engineering 2018 2016
External Conference Reviewer	CCS'18, ASE'18, FSE'18, ManLang'18, PLDI'17, ICSE'17,
	ISSTA'17, ESSoS'17, CCS'16

CONFERENCE TALKS

– "PAD: Programming Third-Party Web Advertisement Censorship," International Conference on Automated Software Engineering (ASE), Urbana-Champaign, USA, November 2017.

– "WebRanz: Web Page Randomization For Better Advertisement Delivery and Web-Bot Prevention," International Symposium on the Foundations of Software Engineering (FSE), Seattle, USA, November 2016.

– "ARROW: Automated Repair of Races on Client-Side Web Pages," International Symposium on Software Testing and Analysis (ISSTA), Saarbrcken, Germany, July 2016.

PUBLICATIONS

I Luk Kim, **Weihang Wang**, Yonghwi Kwon, Yunhui Zheng, Yousra Aafer, Weijie Meng and Xiangyu Zhang, "AdBudgetKiller: Online Advertising Budget Draining Attack," in *Proc. of the 27th International World Wide Web Conference (WWW'18).*

Yonghwi Kwon, Fei Wang, **Weihang Wang**, Kyu Hyung Lee, Wen-Chuan Lee, Shiqing Ma, Xiangyu Zhang, Dongyan Xu, Somesh Jha, Gabriela Ciocarlie, Ashish Gehani, and Vinod Yegneswaran, "MCI: Modeling-based Causality Inference in Audit Logging for Attack Investigation," in *Proc. of the 25th Network and Distributed System Security Symposium (NDSS'18).*

Yingqi Liu, Shiqing Ma, Yousra Aafer, Wen-chuan Lee, Juan Zhai, **Weihang Wang**, Xiangyu Zhang, "Trojaning Attack on Neural Networks," in *Proc. of the 25th Network and Distributed System Security Symposium (NDSS'18).*

Weihang Wang, Yonghwi Kwon, Yunhui Zheng, Yousra Aafer, I Luk Kim, Wen-Chuan Lee, Yingqi Liu, Weijie Meng, Xiangyu Zhang, and Patrick Eugster, "PAD: Programming Third-Party Web Advertisement Censorship," in *Proc. of the 32nd IEEE/ACM International Conference on Automated Software Engineering (ASE'17).*

Yonghwi Kwon, **Weihang Wang**, Yunhui Zheng, Xiangyu Zhang, and Dongyan Xu, "CPR: Cross Platform Binary Code Reuse via Platform Independent Trace Program," in *Proc. of the 26th ACM SIGSOFT International Symposium on Software Testing and Analysis (ISSTA'17).*

Weihang Wang, Yunhui Zheng, Xinyu Xing, Yonghwi Kwon, Xiangyu Zhang, and Patrick Eugster, "WebRanz: Web Page Randomization For Better Advertisement Delivery and Web-Bot Prevention," in *Proc. of the 24th ACM SIGSOFT International Symposium on the Foundations of Software Engineering (FSE'16).*

Weihang Wang, Yunhui Zheng, Peng Liu, Lei Xu, Xiangyu Zhang, and Patrick Eugster, "ARROW: Automated Repair of Races on Client-Side Web Pages," in *Proc. of the 2016 International Symposium on Software Testing and Analysis (ISSTA'16).*

K. R. Jayaram, **Weihang Wang**, and Patrick Eugster, "Subscription Normalization for Effective Content-based Messaging," in *IEEE Transactions on Parallel and Distributed Systems (TPDS)*, vol. 26, no. 11, pp. 3184-3193, Nov. 1 2015.