Yuede Ji

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Hi, Im Yuede (YD) Ji, a PhD student in the Department of Electrical and Computer Engineering at the George Washington University. Its my great honor to be advised by Prof. H. Howie Huang. Prior to joining GWU, I received my B.S., M.S. from College of Computer Science and Technology, Jilin University, advised by Prof. Qiang Li. My research interests are mainly in High Performance Computing, Computer and Network Security. Currently, I am researching on graph computation and GPU.

Education

Ph. D. student of Computer Engineering,
Department of Electrical and Computer Engineering, George Washington University.
2015.9-2020.5 (expected)
Advised by Professor Hao Howie Huang
GPA 4.0/4.0 (current)

M.S. of Computer Science, College of Computer Science and Technology, Jilin University, China,
2012.9-2015.6
Major in Computer Systems and Architecture
Advised by Associate Professor Qiang Li
GPA 3.14/4.0

B.S. of Software Engineering, College of Software, Jilin University, China, 2008.9-2012.6
Member of ACM/ICPC contest team
GPA 3.01/4.0

Work Experience

- 2015.9 - 2016.5, Graduate Research Assistant, George Washington University

- 2012.9 - 2015.6, Graduate Research Assistant, Jilin University

- 2011.7 - 2011.9, Software Engineer (Intern), Baidu, Inc. (Beijing, China)

Publications

- **Yuede Ji**, Yukun He, Xinyang Jiang, Jian Cao, Qiang Li, Combating the evasion mechanisms of social bots, Computers & Security, Volume 58, May 2016, Pages 230-249

- **Yuede Ji**, Qiang Li, Yukun He, and Dong Guo. BotCatch: leveraging signature and behavior for bot detection. Security and Communication Networks (SCN), 8(6): 952-969 (2015)

- **Yuede Ji**, Qiang Li, Yukun He, and Dong Guo. Overhead Analysis and Evaluation of Approaches to Host-based Bot Detection. International Journal of Distributed Sensor Networks (IJDSN), 2015

- **Yuede Ji**, Yukun He, Xinyang Jiang, and Qiang Li. Towards Social Botnet Behavior Detecting in the End Host. 20th IEEE International Conference on Parallel and Distributed Systems (ICPADS 2014)

- **Yuede Ji**, Yukun He, Dewei Zhu, Qiang Li, and Dong Guo. A Multiprocess Mechanism of Evading Behavior-Based Bot Detection Approaches. Information Security Practice and Experience. Springer International Publishing, 2014: 75-89, (ISPEC 2014)

- Jian Cao, Qiang Li, **Yuede Ji**, Yukun He, and Dong Guo. Detection of Forwarding-based Malicious URLs in Online Social Networks. International Journal of Parallel Programming (IJPP) (published online)

- Yukun He, Qiang Li, **Yuede Ji**, and Dong Guo. Detecting Response-Delayed Bot by Correlating Host Behavior and Network Activity (in Chinese). Chinese Journal of Computers, 2014, 37(1): 50-61.

- **Yuede Ji**, Yukun He, Qiang Li, and Dong Guo. BotCatch: A Behavior and Signature Correlated Bot Detection Approach. High Performance Computing and Communications & 2013 IEEE International Conference on Embedded and Ubiquitous Computing, 2013 IEEE 10th International Conference on. IEEE, 2013: 1634-1639, (HPCC_EUC 2013)

- Yukun He, Qiang Li, **Yuede Ji**, and Dong Guo. Analysis of Botnet Detection Technique Based on Traffic Graph (in Chinese). Journal of Jilin University (Science Edition) 2013, 51(4): 681-688.

- Yukun He, Qiang Li, **Yuede Ji**, and Dong Guo. BotInfer: A Bot Inference Approach by Correlating Host and Network Information Network and Parallel Computing, Springer Berlin Heidelberg, 2013: 356-367, (NPC 2013)

Professional Activities

Reviewer

- Security and Communication Networks (SCN): 2016, 2015, 2014

External Reviewer

- Journal: IEEE Transaction on Parallel and Distributed System (IEEE TPDS)

- Conference: SC 2016

Honors & Awards

Best Paper Award

- **NPC 2014**, 11th IFIP International Conference on Network and Parallel Computing

Scholarship and Recognitions

- **Outstanding Master's Thesis, Jilin University (2015)**

- Outstanding Graduates, Jilin University (2015)

- **National Scholarship for Graduate Students, Ministry of Education of the People's Republic of China (2014)**

- Scholarship for Outstanding Graduate Students, Meritorious Winner, Jilin University (2014)

- Honorary Title of Outstanding Graduate Students, Jilin University (2014)

- Full Tuition Fee Waiver Scholarship, Jilin University (2012-2015)

- Research Assistantship, Jilin University (2012-2015)

- Third Prize of Scholarship for Outstanding Students, Jilin Universitry (2009-2012)

- Dongrong Prize of Scholarship for Outstanding Students, Jilin University (2011)

- First Prize of Technology Innovation, Jilin University (2010, 2011)

ACM-ICPC International Collegiate Programming Contest

- **Bronze Medal** (National Level) ACM/ICPC Asia Regional Contest Fuzhou Site 2010, Fuzhou University (10/2010)

- **Bronze Medal** (National Level) ACM/ICPC Asia Regional Contest Harbin Site 2010, Harbin Engineering University (09/2010)

- First Prize (Provincial Level) ACM/ICPC Jilin Province Contest 2010, Jilin University (05/2010)

- Third Prize (Provincial Level) ACM/ICPC Guangdong Province Contest 2010, Sun Yat-sen University (05/2010)

- Honorable Mention (National Level) ACM/ICPC Asia Regional Contest Wuhan Site 2009, Wuhan University (11/2009)

Mathematical Contest in Modeling (MCM)

- **Meritorious Winner (Top $2\% - 11\%$)**, MCM Competition Organizing Committee (04/2011)