Yacin I. Nadji

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http://www.cc.gatech.edu/~ynadji3
Citizenship: U.S. Citizen
Ph.D. Candidate

Education

Georgia Institute of Technology (GT)

- Doctor of Philosophy in Computer Science (in progress).
- Advisor: Dr. Wenke Lee

Illinois Institute of Technology (IIT)

- Bachelor of Science in Computer Science, with Honors, 2009.
- Advisor: Dr. Ophir Frieder

Publications

8. Yizheng Chen, Manos Antonakakis, Roberto Perdisci, **Yacin Nadji**, David Dagon, and Wenke Lee. DNS Noise: Measuring the Pervasiveness of Disposable Domains in Modern DNS Traffic. In *International Conference on Dependable Systems and Networks*, 2014
7. **Yacin Nadji**, Manos Antonakakis, Roberto Perdisci, David Dagon, and Wenke Lee. Beheading Hydras: Performing Effective Botnet Takedowns. In *Proceedings of the 20th ACM Conference on Computer and Communications Security (CCS)*, 2013
6. **Yacin Nadji**, Manos Antonakakis, Roberto Perdisci, and Wenke Lee. Connected Colors: Unveiling the Structure of Criminal Networks. *Research in Attacks, Intrusions, and Defenses (RAID)*, 2013
5. Wei Zhuo and **Yacin Nadji**. MalwareVis: Entity-based Visualization of Malware Network Traces. In *Proceedings of the Ninth International Symposium on Visualization for Cyber Security (VizSec)*, 2012
4. Manos Antonakakis, Roberto Perdisci, **Yacin Nadji**, Nikolaos Vasiloglou, Saeed Abu-Nimeh, Wenke Lee, and David Dagon. From Throw-Away Traffic to Bots: Detecting the Rise of DGA-Based Malware. In *Proceedings of 21st USENIX Security Symposium*, 2012
3. **Yacin Nadji**, Manos Antonakakis, Roberto Perdisci, and Wenke Lee. Understanding the Prevalence and Use of Alternative Plans in Malware with Network Games. In *Proceedings of the 27th Annual Computer Security Applications Conference (ACSAC)*, 2011
2. **Yacin Nadji**, Jonathon Giffin, and Patrick Traynor. Automated Remote Repair for Mobile Malware. In *Proceedings of the 27th Annual Computer Security Applications Conference (ACSAC)*, 2011
1. **Yacin Nadji**, Prateek Saxena, and Dawn Song. Document Structure Integrity: A Robust Basis for Cross-site Scripting Defense. In *Proceedings of the Network and Distributed System Security Symposium (NDSS)*, 2009

Technical Skills

Programming Languages: Python, R, Lisp (Clojure, SBCL), Java, Intel x86 asm, Objective-C, C

Software and Techniques: *nix, LaTeX, network analysis, `scapy`, machine learning, `git`, web scraping, reverse engineering, hadoop, cascalog

Code: `https://github.com/ynadji`

Invited Talks

2. "Beheading Hydras: Performing Effective Botnet Takedowns." M3AAWG 29th General Meeting. 10/2013 Montreal, Canada
1. "Connected Colors: Unveiling the Structure of Criminal Networks." M3AAWG 26th General Meeting. 10/2012 Baltimore, MD, USA

Teaching Experience

Guest Lectures, ECE 3600: Computer Networks, Georgia Tech, Spring 2014. "Reliable Data Transfer & TCP."

Guest Lecture, CS 4235: Introduction to Information Security, Georgia Tech, Fall 2012. "The Underground Economy."

Guest Lecture, CS 6035: Introduction to Information Security, Georgia Tech, Fall 2011. "Understanding the Prevalence and Use of Alternative Plans in Malware with Network Games."

Guest Lecture, CS 4235: Introduction to Information Security, Georgia Tech, Spring 2011. "Stalking the Wily Hacker."

Teaching Assistant, CS 100: Intro to the Profession (follows Structure and Interpretation of Computer Programs), IIT, Fall 2008. Responsible for running lab and recitation sections, grading labs, and assisting students during office hours.

Service

Reviewer

USENIX Symposium on Networked Systems Design and Implementation (NSDI) 2013

USENIX Security Symposium 2011

Network & Distributed System Security Symposium (NDSS) 2010

Honors and Awards

President's Fellowship, GT, 2009-2014.

AOF Fellowship (declined), Wisconsin, 2009.

Undergraduate Summer Research Award, IIT, 2008.

Computer Science Department Teaching Assistant of the Year, IIT, 2007.