

# Dr. Yacin I. Nadji

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<http://www.cc.gatech.edu/~ynadji3>  
Citizenship: U.S. Citizen  
Postdoctoral Researcher

## Education

### Georgia Institute of Technology (GT)

- Doctor of Philosophy in Computer Science, 2015.
- Advisors: Dr. Wenke Lee and Dr. Manos Antonakakis

### Illinois Institute of Technology (IIT)

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

## Publications

9. 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
8. Jessica Annette Pater, **Yacin Nadji**, Elizabeth D Mynatt, and Amy S Bruckman. Just awful enough: the functional dysfunction of the something awful forums. In *Proceedings of the 32nd annual ACM conference on Human factors in computing systems*, pages 2407–2410. ACM, 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, L<sup>A</sup>T<sub>E</sub>X, 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

Engineering Security Software and Systems (ESSoS) 2015

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.

## References

Dr. Manos Antonakakis  
Professor/Advisor  
Georgia Institute of Technology

Dr. Wenke Lee  
Professor/Advisor  
Georgia Institute of Technology

Dr. Gunter Ollmann  
Chief Technology Officer  
NCC Group Domain Services

Brian Foster  
Senior Vice President  
Information Services  
Neustar, Inc.