Dr. Yacin I. Nadji

http://yacin.nadji.us

Technical Skills

Programming Languages: Python, Clojure, R, Scala, Java

Software and Techniques: Machine Learning, Hadoop (Spark, MapReduce), Network Security, Graph-based Learning (embeddings), *nix, LaTeX

Code: https://github.com/ynadji

Languages: English (Native), Français (Intermediate), 中文 (Beginner)

Experience

FraudScope, Inc.—Atlanta, GA *Data Science Contractor: July 2017–Present*

- Improved performance and accuracy of core fraud detection engine.

Georgia Institute of Technology—Atlanta, GA *Research Scientist II: August 2015–Present*

- Supervised applied machine learning Ph.D. students.
- Managed engineering team of four to productize and deploy machine learning detection systems into DoD networks.
- Orchestrated data acquisition, processing, and analysis of 5 PB of network data into Hadoop.

Damballa, Inc.—Atlanta, GA *Research Contractor: May 2010–October 2015*

- Designed & implemented state-sponsored threat (APT) detection system. Used internally.
- Designed & implemented threat actor graph visualization. Transitioned to product.

Talks

5. "IoT: Cybersecurity and Privacy Issues in a Hyper-Connected World." *King & Spalding Cybersecurity & Privacy Summit.* 04/2017 Atlanta, GA, USA
4. "Passive DNS-based Device Identification." *NANOG 67.* 06/2016 Chicago, IL, USA
3. "Does Malware Dream of Electric Domains? Detecting "Sleepy" Targeted Attack Infrastructure." *Army Cyber Institute, M3AAWG 32nd General Meeting, Meetup.* 2016
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

Education

Georgia Institute of Technology (GT)

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

Illinois Institute of Technology (IIT)

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