Yacin I. Nadji, Ph.D.

Technical Skills

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

Software and Techniques: Machine Learning, Spark, Security, *nix, LaTeX

Code: https://github.com/ynadji

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

Experience

Security Scorecard—New York, NY *Senior Software Engineer, Attribution: September 2019–November 2019; Software Engineer, Attribution: January 2018–September 2019*

- Designed & implemented related domains filter (50% → 2% false negative rate) in Spark MLlib.
- Planned roadmap and led long-term attribution improvements team.
- Led hiring and interview process for two attribution engineers.
- Implemented custom scorecard feature (additional $1.5M ARR in first quarter).

Georgia Institute of Technology—Atlanta, GA *Research Scientist II: August 2015–December 2017*

- 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.

Selected Talks & Workshops

5. "Hands-on Adversarial Machine Learning." *DEF CON 27.* 08/2019 Las Vegas, NV, USA [Link—Code] and *O'Reilly Live Online Training* [Link—Code]

4. "IoT: Cybersecurity and Privacy Issues in a Hyper-Connected World." *King & Spalding Cybersecurity & Privacy Summit.* 04/2017 Atlanta, GA, USA

3. "Passive DNS-based Device Identification." *NANOG 67.* 06/2016 Chicago, IL, USA

2. "Does Malware Dream of Electric Domains? Detecting "Sleepy" Targeted Attack Infrastructure." *Army Cyber Institute, M3AAWG 32nd General Meeting, Meetup.* 2016

1. "Beheading Hydras: Performing Effective Botnet Takedowns." *M3AAWG 29th General Meeting.* 10/2013 Montreal, Canada

Service

Technical reviewer for Strengthening Deep Neural Networks

Volunteer Tech Instructor for Black Girls Code

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.