

# Yacin Nadji, Ph.D.

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## Technical Skills

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

Software and Techniques: (Large) Data Analysis, Machine Learning, Spark, Security, \*nix, L<sup>A</sup>T<sub>E</sub>X

Code: <https://github.com/ynadji>

Languages: English (Native), Español (Intermediate)

## Experience

Corelight—San Francisco, CA Senior Security Researcher: 2022–present, Security Researcher: 2019–2022

- Designed and implemented detection algorithms for:
  - \* domain name generation malware C&C,
  - \* ICMP tunnels,
  - \* inferring site local publicly routable IPv4 and IPv6 local subnets,
  - \* scanning traffic, and
  - \* inferring local DNS zones.
- Built CI/CD pipeline for Labs team.
- Contribute open source code to [core Zeek](#) and packages for [detecting emerging threats](#).
- Write technical research blogs [individually](#) and as a [team](#).

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).

## Selected Talks & Workshops

3. “Hands-on Adversarial Machine Learning.” DEF CON 27. 08/2019 Las Vegas, NV, USA [[Link](#)—[Code](#)] and O’Reilly Live Online Training [[Link](#)—[Code](#)]
2. “IoT: Cybersecurity and Privacy Issues in a Hyper-Connected World.” King & Spalding Cybersecurity & Privacy Summit. 04/2017 Atlanta, GA, USA
1. “Passive DNS-based Device Identification.” NANOG 67. 06/2016 Chicago, IL, USA

## Service

Program Committee for [AISec \(2021\)](#), [Deep Learning Security and Privacy \(2022, 2023\)](#)

Technical reviewer for [Strengthening Deep Neural Networks](#)

Volunteer Instructor for the [Algerian American Foundation Summer University](#)

## Education

Georgia Institute of Technology: Computer Science, Ph.D., 2015.

Illinois Institute of Technology: Computer Science, B.S. w/ Honors, 2009.