Myriam Leggieri

🔗 https://www.linkedin.com/in/myriamleggieri/ (https://www.linkedin.com/in/myriamleggieri/)
🔗 https://iammyr.github.io (https://iammyr.github.io)

👤 About

I am an **experienced Security Engineer who loves creative thinking and hands-on breaking. I particularly enjoy offensive hacking, defensive techniques design and implementation.** My background is in software-development and machine learning which I currently apply to develop security tools and deep learning security solutions. The areas of security which interest me the most are network and web-application penetration testing, reverse engineering and malware analysis.

</> Skills

Topics

Pentesting   Reverse Engineering   Threat Modeling   Software Development   Machine Learning   Security Engineering   Malware Research

Programming

Python   Java   Go   Scala   C++   Bash   Javascript   C

🏢 Employment

Security Engineer II, Workday (https://workday.com)

2018-05—Present
In addition to the following tasks which I already covered before:

- Security review of other teams' code and design
- Pentesting
- Development and Deployment of internal security tools

I'm now also leader (and sometimes main contributor) of several internal projects (covering also the roles of scrum master and product management)

Security Engineer I, Workday (https://workday.com)

2016-05—2018-04

- Help other teams introducing and/or strenghtening a level of security, security features, security requirements into their architecture design, appropriate to the context. This is achieved via Technical Security Reviews of their design and support throughout the project at every design decision.
- Perform security reviews of the implementation in any of the programming/scripting languages used internally: Scala, Python, Java, Ruby, Bash, etc.
- Contributed to the development of several Scala, Java, Ruby and Python projects aimed at
    1. improving the internal security assets,
    2. raise security awareness among developers (also delivered presentation on this subject)
    3. secure the build pipeline with signature provisioning and validation (integrated with SCMs and CI tools).
- Develop automated tests to ensure the actual and constant application of the recommended security requirements.
- Penetration Testing of the internal infrastructure and of the final outcome of other teams' projects

Application Security Engineer, Waratek (https://waratek.com)

2015-02—2016-04
SAST and DAST tools deployment and data processing, in order to improve the security of the company's product. Development of internal security tools (Java, Spring)

Software Deveoper, Google (https://google.com)

2009-05—2009-08
Software Developer selected (among 1000 accepted applications out of more than 6000) to participate to the "Google Summer of Code 2009" program. I was among the 85% of participants who successfully completed the assigned project.

🎓 Education

PhD Degree, The Insight Centre for Data Analystics (https://insight-centre.org/), National University of Ireland, Galway (http://www.nuigalway.ie/)

2010-09—2015-03
- Sensor Data mining

Master's Degree, University of Bari (https://www.uniba.it)

2007-03—2009-12
- Final Grade: 110/110 summa cum laude

Bachelor's Degree, University of Bari (https://www.uniba.it)

2004-09—2007-03
- Final Grade: 108/110

✏️ Publications

Sensor Data Mining Publications

15 publications listed on Linkedin profile (https://www.linkedin.com/in/myriamleggieri/).

Security Engineering Publications

- **Network Traffic Packets Classified as Textual Images for Intrusion Detection** (https://www.slideshare.net/iammyr/network-traffic-packets-classified-as-textual-images-for-intrusion-detection-117091457), Grace Hopper Conference 2018 (GHC18) Published on: 2018-09
- **Myriam Leggieri's Blog** (http://iammyr.github.io), self Published on: 2018-10

🏆 Honors and Awards

GIAC Advisory Board Member, Global Information Assurance Certification (GIAC)
Current

OWASP Dublin Board Member, OWASP
Current

Best Low Hanging Fruit Finding, Workday Red Team
Mar 2017

Best Social Networking Application, Workday Global Hackathon
Dec 2016

Best Demo Award, Future Internet Assembly conference
2013

Best Demo Award, Internet of Things conference
2012

PhD Scholarships, OpenIoT and SPITFIRE European Projects
2010-2015

Google Summer of Code, Google
2009

🏆 Certifications

GIAC Penetration Tester(GPEN)
Jul 2018

GIAC Certified Enterprise Defender, (GCED)
Mar 2018

GIAC Web Application Penetration Tester, (GWAPT)
Jul 2017

GIAC Certified Incident Handler, (GCIH)
Jan 2017

♥ Interests

running

surfing

oil painting

meditation