

MYRIAM LEGGIERI

SECURITY ENGINEER II



DUBLIN

IAMMYR.GITHUB.IO

IAMMYR

IN/MYRIAMLEGGIERI

SKILLS

RISK ASSESSMENT
THREAT MODELLING
PENTESTING
SOFTWARE DEVELOPMENT
PYTHON
JAVA
SCALA
BASH
UNIX/LINUX
SECURE CODING
REVERSE ENGINEERING
MACHINE LEARNING
DEEP LEARNING
SAST
DAST

PROACTIVE ATTITUDE

STRAIGHT WHAT IS WRONG
AUTOMATE WHAT REPEATS
STRUCTURE WHAT IS
UNDEFINED
CHANGE WHAT NEEDS TO
CHANGE

LANGUAGES

ITALIAN (NATIVE SPEAKER)
ENGLISH (FLUENT/ADVANCED)
SPANISH (READING, LISTENING)

EDUCATION

09/2010 - 08/2014
NATIONAL UNIVERSITY OF
IRELAND GALWAY

PHD MACHINE LEARNING

09/2007 - 08/2009
UNIVERSITY OF BARI, ITALY

M.S. COMPUTER SCIENCE

UNIVERSITY OF BARI, ITALY
B.S. COMPUTER SCIENCE

EXPERIENCE

WORKDAY

05/2017 - PRESENT

SECURITY ENGINEER II

- Automated follow-up actions on vulnerability scanner results (Python).
- Built a development artifacts signing solution (Go-lang).
- Deep Learning algorithm for network intrusion detection paper accepted and presented at the Grace Hopper Celebration conference (Python)
- Deployed an Adversarial Simulator and extended it with new exploits (Python)
- GIAC Penetration Tester (GPEN) and GIAC Web Application Penetration Tester (GWAPT) certifications

WORKDAY

05/2016 - 05/2017

SECURITY ENGINEER I

- Built a actor-based system to create an inventory of development teams' code repositories from several Source Code Management systems (Scala)
- Improved the internal security posture by providing best practices and standards, improving communication of review results and coordination with development teams.
- Best Networking Application Award Winner with my team at the Global Workday Hackathon 2016 - extension of the workday product to add context for justifying expenses with a Slack plugin (Python)
- GIAC Certified Enterprise Defender (GCED) and GIAC Certified Incident Handler (GCIH) certifications

WARATEK

02/2015 - 05/2016

APPLICATION SECURITY ENGINEER

- Security benchmark of the company's main security product (Bash, Python, DAST).
- Contributed to the implementation of a solution to automatically process SAST results (Java, Spring)

INSIGHT CENTRE FOR DATA ANALYTICS (EX DERI) AT NATIONAL UNIVERSITY OF IRELAND GALWAY

09/2010 - 03/2015

- Publications on internationally relevant conference proceedings and book chapters about my research on Sensor Data Mining
- Classification and clustering of sensor data with the purpose of improving the automated selection of most relevant sensors for tracking human activities (PhD Thesis).
- Winner of the 'OpenIoT' and 'SPITFIRE' European Scholarships
- Best Demo Awards winner with my team at the Internet of Things and Future Internet Assembly conference

GOOGLE

05/2009 - 08/2009

SOFTWARE DEVELOPER

Google Summer of Code program selected participant (~1000/6000 accepted applications) and among the 85% of those who successfully completed the assigned project.

- Built frontend, backend, network-communication protocol of a distributed application to improve the handling of software development -related data, activities and issues, using the (Tim Berners-Lee's proposal of) Linked Data format.

VOLUNTEER

RAILS GIRLS GALWAY

05/2013 - 06/2015

TEACHER, FOUNDER AND ORGANISER

2-days Programming Workshop series to build a web-app using Ruby on Rails.

- Awarded 'ITAG Excellence Award - IT in the Community'
- Galway Mayor's Award Nomination
- Curated: 20 volunteering coaches, advertisement campaign, official website, 7 sponsors, 3 invited talks, workshop content, challenges and aftermaths, more than 100 attendees.