

# Giorgio Bernardinetti

CYBERSECURITY RESEARCHER · LECTURER

✉ giorgio.berardinetti@gmail.com

## Experience

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### Researcher

CNIT - NATIONAL INTER-UNIVERSITY CONSORTIUM FOR TELECOMMUNICATIONS

Rome, Italy

September 2018 - Now

- Malware development and analysis at ASCITAL for the Italian Ministry of Defense - Comando COR
- Penetration testing and binary exploitation at ZTE Italia
- Penetration testing for the e-voting app SkyVote
- Malware analysis
- Binary reversing and exploitation

### Lecturer

UNIVERSITY OF ROME "TOR VERGATA"

Rome, Italy

September 2018 - Now

- Ethical Hacking course (Faculty of Engineering)
- Laboratory of Penetration Testing (II level Master "Competenze digitali per la protezione dei dati, la cybersecurity e la privacy", Faculty of Economics)
- Security & Privacy course (II level Master "Big Data in Business", Faculty of Economics)

### Hackaton Designer and Developer

CY4GATE

Rome, Italy

Feb 2019 - May 2019

- Design and implementation of an Attack&Defense CTF framework for the first edition of the CY4GAMES.
- Design, deploy and management of the CY4GAMES Young Edition CTF.

### Full-stack web application developer

CUI - INTER-UNIVERSITY NATIONAL CONSORTIUM

Rome, Italy

May 2018 - September 2018

### IT Security Engineer

CFP INFORMATICA

Rome, Italy

October 2017 - September 2018

## Education

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### PhD in Computer and Information Systems Security (in progress)

UNIVERSITY OF ROME "TOR VERGATA"

Rome, Italy

Nov 2019 - Now

### Master's Degree *cum laude* in Computer and Automation Engineering

UNIVERSITY OF ROME "TOR VERGATA"

Rome, Italy

2015 - Feb. 2018

### Bachelor's Degree *cum laude* in Computer Science Engineering

UNIVERSITY OF ROME "TOR VERGATA"

Rome, Italy

2012 - 2015

## Publications

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### PEzoNG: Advanced Packer For Automated Evasion On Windows

JOURNAL OF COMPUTER VIROLOGY AND HACKING TECHNIQUES

Feb 2022

G. Bernardinetti, D. Di Cristofaro, G. Bianchi

### Nautilus: A Tool For Automated Deployment And Sharing Of Cyber Range Scenarios

CONFERENCE "ARES - ETACS"

August 2021

G. Bernardinetti, S. Iafrate, G. Bianchi

### Disconnection Attacks Against LoRaWAN 1.0.X ABP Devices

CONFERENCE "MEDCOMNET"

Arona, Italy

Jun 2020

G. Bernardinetti, F. Mancini, G. Bianchi

## Presentations

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## Professional Pentesting Experience And Activities

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### CERTIFICATIONS

Jan 2021 **OSCE - Offensive Security Certified Expert**, OSCE, also labeled as “Cracking the Perimeter (CTP)” is the next step for penetration testers who have completed PWK-OSCP. OSCE focuses more on exploit development, by learning how to identify advanced vulnerabilities and misconfigurations in various operating systems, and then execute organized attacks.

Oct 2019 **OSCP - Offensive Security Certified Professional**, OSCP is the certification earned by professionals who complete and pass the industry-leading course on Penetration Testing with Kali Linux (PWK). It introduces penetration testing tools and techniques via hands-on experience. PWK trains not only the skills, but also the mindset required to be a successful penetration tester.

### AWARDS

Jun 2019 **Top 5 worldwide**, HackTheBox

Jun 2019 **Silver Medal**, Cyber Defenders Discovery Camp

*Singapore*