

SALVATORE MACCARRONE

COMPUTER SCIENCE AND ENGINEERING MSC.

I am actively looking for roles as an **Incident Responder/Cyber Security Analyst** to develop my skills. I have a strong interest in both Blue Team and Red Team activities and aspire to become a Purple Teamer in the future. Additionally, I am enthusiastic about opportunities that combine **Cyber Security** and **Machine Learning**, such as **Fraud Detection** or **Digital Forensics**.

I am open to relocation and available for both short-term and long-term stays abroad.

CONTACT

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Website

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Mail

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LinkedIn

<https://www.linkedin.com/in/salvatore-maccarrone/>

TECHINICAL SKILLS

- C
- Python
- Assembly
- Github
- Unix Systems
- IDA, Ghidra, GDB, WireShark
- Forensics Acquisitions Principles

LANGUAGE

- English (professional)
- Italian (native)

HOBBIES

- Guitar player
- Arduino tinkerer
- Amateur juggler

EDUCATION

March 2020 - 2023

Master's Degree in Computer Science and Engineering

Politecnico di Milano

Final Result: 109/110

Research Thesis at **NECSTLab** (12 months)

Topics: Machine Learning, Malware Dynamic Analysis, PE Files

Title: *An End-To-End Framework for Malware Behavior Obfuscation*

Submitted a technical paper to **ACSAC** 2023 (currently under review).

2016-2019

Bachelor's Degree in Computer Science and Engineering

Università degli studi di Catania

Final result: 110/110 cum laude

PROJECTS AND ACTIVITIES

Sep 2022

RCU on xv6 Kernel

Advanced Operating Systems

The goal of the project is the implementation of RCU locking for some kernel data in xv6.

[Github](#)

Sep - Dec 2021

Cybersecurity challenges

Offensive and Defensive Cybersecurity

Practical challenges from shellcode development to heap exploitation, while improving reverse engineering and digital forensics techniques.

[Github](#)

Jan 2021

Cybersecurity Academy

Politecnico di Milano

Technical seminars, meetings and open lessons with industry experts.