SALVATORE MACCARRONE

COMPUTER SCIENCE AND ENGINEERING MSC.

I have recently completed my Master's Degree at Politecnico di Milano, where my primary focus was on the cybersecurity field. Throughout my Master's Thesis, I dedicated my efforts to studying malware analysis and finding ways to overcome dynamic detection techniques.

Moving forward, following my graduation, I am driven to pursue a career in the Red Team Cybersecurity field. I am deeply fascinated by the dynamic nature of offensive security and the constant challenge of outsmarting adversaries. Furthermore, I am enthusiastic about the prospect of working internationally, as it would allow me to engage with different security landscapes and cultures, enhancing my skills and broadening my perspective.

CONTACT

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TECHINCAL SKILLS

- C
- Python
- Assembly
- Github
- Unix Systems
- RE Tools: IDA, Ghidra, GDB

LANGUAGE

- English (professional)
- Italian (native)

EDUCATION

March 2020 - 2023

Politecnico di Milano
Master's Degree in Computer Science and Engineering
Final Result: 109/110

Thesis at **NECSTLab**
Tarallo: An End-To-End Framework for Malware Behavior Obfuscation

2016-2019

Università degli studi di Catania

Bachelor's Degree in 'Ingegneria Informatica'
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

Pratical challenges from shellcode development to heap exploitation, while improving reverse engineering techniques.
Github

Jan 2021

Cybersecurity Academy
Politecnico di Milano
Technical seminars, meetings and open lessons with industry experts.