SALVATORE MACCARRONE

COMPUTER SCIENCE AND ENGINEERING MASTER'S STUDENT

I am currently finishing up my Master's Degree at Politecnico di Milano. During my Master my focus was on the cybersecurity field.

Right now I am working on malware analysis and how to beat dynamic detection for my master's thesis, which is a challenging experience.

After my graduation, I would like to remain in this field, with the hope of always going after new topics, which is what motivates and excites me the most.

TECHINCAL SKILLS

- C
- Python
- Assembly x86
- Github
- Unix
- RE Tools: IDA, Ghidra, GDB

SOFT SKILLS

- Team work
- Effective communication
- Critical thinking

LANGUAGE

- English (professional)
- Italian (native)

CONTACT

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EDUCATION

March 2020 - Present

Politecnico di Milano
Master's Degree in Computer Science and Engineering
Current GPA: 27.9/30

Relevant courses:
- Computer Security
- Offensive and Defensive Cybersecurity
- Digital Forensics and Cybercrime
- Cryptography and Architectures for Computer Security
- Artificial Intelligence
- Machine Learning

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.