# 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

# **EDUCATION**

• C

Python

Assembly x86

Github

Unix

• RE Tools: IDA, Ghidra, GDB

## SOFT SKILLS

Team work

Effective communication

· Critical thinking

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

### LANGUAGE

· English (professional)

Italian (native)

### PROJECTS AND ACTIVITIES

CONTACT

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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.