PERSONAL INFORMATION — Matteo Marini

EDUCATION AND TRAINING

2022 - Current — **Ph.D. in Cybersecurity**

Topic — Researching on systems and software security, with a focus on binary analysis.

Supervisor — Prof. Daniele Cono D'Elia.

2020-2022 — **M.Sc. in Engineering in Computer Science**

University of Rome La sapienza

Thesis — Automated Reconstruction of Network Protocols for Malware Communication via Coverage-guided Fuzzing

Final grade — 110/110 cum laude

2021-2022 — **M.Sc. Honor program**

University of Rome La sapienza

I worked on the design of a multi-architecture (x86_64 and aarch64) QEMU-based memory sanitizer for binary programs.

2017-2020 — **B.Sc. in Engineering in Computer Science**

University of Rome La sapienza

Thesis — Securing DBI-based Analysis Systems againstAdversarial Techniques

Final grade — 110/110 cum laude

2019-2020 — **B.Sc. Honor program**

University of Rome La sapienza

I worked on the design of a robust API tracer for binary software.

WORK EXPERIENCE

Apr – Jul 2022 — **Software developer**

Prisma s.r.l.

I worked on the developement of an automatic mail analyzer to detect both phishing e-mails and malicious attachments (i.e. malware).

Feb – Jul 2020 — **Internship**

I worked with a research group at the Department of Computer Science Engineering (DIAG) doing research on malware analysis related topics (mostly API tracing).

Oct 2016 — **Internship**

Four weeks long training internship focussed on the production of ABB's breakers.

Oct 2015 — **Internship**

Two weeks long training internship focussed on the maintenance of the Rome's metro A and B networking and general IT infrastructure.

PUBLICATIONS

[1] Daniele Cono D'Elia, Simone Nicchi, Matteo Mariani, **Matteo Marini**, and Federico Palmaro. "Designing robust API monitoring solutions". In: *IEEE Transactions on Dependable and Secure Computing* (2021).