

Marco Marchesin

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Education

- Sep 2022 – Mar 2025 *MSc in Mathematics, curriculum in Cryptography*, Univesity of Trento, Italy. Master's thesis title below.
- Sep 2017 – Sep 2020 *Bachelor of Science in Computer Science*, Univerisity of Padua. Bachelor's thesis title below.
- Sep 2012 – Jul 2017 *Diploma in Informatica*, ITIS Francesco Severi, Padova.

Employment history

- Apr 2025 – May 2025 *Cryptography Consulting*, Ing. Gelpi, Trento, Italy; Testing PoC for Functional Encryption in Magma.
- Feb 2025 – Mar 2025 *Cryptography Consulting*, Ing. Gelpi, Trento, Italy; Prototype for Multi-party Computation Threshold ECDSA Signatures in Go.
- Mar 2024 – Sep 2024 *Internship as payment integration developer*, Argentea S.R.L., Trento, Italy; Android and Database.
- Nov 2020 – Sep 2022 *Full-stack Software Engineer*, Monokee S.R.L., Padua, Italy; Identity and Access Management.
- Dec 2021 – Mar 2022 *Software Engineer*, Accenture P.L.C., Remote; Hashicorp Vault Plugins in Go.
- Jul 2020 – Aug 2020 *Internship as Software Engineer*, Athesys S.R.L., Padua, Italy; Self-sovereing Identity (SSI) in Identity and Access Management (IAM).
- Oct 2018 – Feb 2019 *Internship as Trainee*, Friso Computer S.R.L., Padua, Italy, data recovery; network management.
- Aug 2016 – Sep 2018 *Internship as DevSecOps*, Entelligo B.V., Amsterdam, The Netherlands; opinionated SaaS.

Extracurricular Activities

- 2022 – today *Volunteer of De Componendis Cifris*, DOI automation and website integrations.
- 2018 – today *Member of mHackeroni and others*, capture the flag teams solving security challenges.

Skills

LANGUAGES: Italian, mothertongue; English, C1 attested by Univesity of Trento; French, basic.

COMPUTERS: Office suite; *development and management of UNIX-like system, network and database*;

forensics and reverse engineering; programming: Scheme, Kanren, Haskell, Magma, ANSI C/C++.

Publications and projects

- Mar 2025 Master's thesis, *Classification of Planar Functions in Characteristic Five*.
- Sep 2020 Bachelor's thesis, *Study and implementation of SSI in the context of IAM*.
- 2014 – 2021 *TramPadova*, iOS and Web Application with Go backend to show trams in Padua.
- 2012 – 2017 *Score Arco*, iOS Application for keeping score of archery matches.

Awards

- Jan 2024 Cyprus Tech Odyssey: XRPL Hackathon 2024, 1st place with a PoC for a whistleblowing service.
- Oct 2020 CryptoWars2020, with Flying Pwnycorn, 4th place.

Last updated: June 10, 2025