# Niccolò Parlanti

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## PROFILE

Completing a master in Cybersecurity. I'm committed to skill enhancement, actively participating in Capture The Flag (CTF) competitions and leveraging online resources for learning. Currently, I am pursuing the eJPT certification (Junior Penetration Tester), aiming to contribute significantly to the cybersecurity domain.

## WORK EXPERIENCE

**Huawei - Cyber Security Transparency Center (Brussels)**          **February 2024 – Ongoing**

*Software Security Researcher*

- Implementing a semantic fuzzing method to test DBMS for logical vulnerabilities on constraints, using genetic programming.

## EDUCATION

**University of Twente**          **September 2023 – Ongoing**

*Eit Digital Cybersecurity Master Double Degree*

- Key Modules: Secure Cloud Computing, Secure Data Management, Cyber Security Management.
- Member of the Twente Hacking Team with focus on web hacking.
- Main Projects: Custom Rules on Azure Platform, implementation of Cryptographically Enforced Access Control Model.

**University of Trento**          **September 2022 – August 2023**

*Eit Digital Cybersecurity Master Double Degree*

- Key Modules: Network Security, Applied Cryptography, Multimedia Data Security, Security testing.
- Joined Italy's CyberChallenge, a top level cybersecurity training program the project also involved a collaboration with National Cyber League (U.S.).
- Main Projects:
  - Implement a custom method for hiding watermarks in images and an algorithm to attack other teams' images with over 90% effectiveness.
  - Successfully implemented an adversarial example attack on an AI classifier of real and fake images, achieving 100% success rate in deceiving the classifier.
  - Conduct a vulnerability assessment on two web applications using static and dynamic analysis tools (ZAP, BurpSuite, Spotbugs).

**University of Florence**          **September 2018 – June 2022**

*Bachelor degree in Informatics Engineering*

- Key Modules: Algorithms and data structures, basics of computers and programming, operating systems, database, theoretical informatics, computer fundamentals, networks and telecommunications.
- Studied abroad in Oulu, Finland during the fall semester of 2020 (University of Oulu).

## SKILLS

- Network security, penetration testing, OWASP, Cloud Security(Azure), Risk Assessment, MITRE ATT&CK, Fuzzing.
- Understanding of cryptographic protocols and algorithms. Knowledge of programming languages: Python, Bash/Shell scripting, and familiarity with PHP, SQL, KQL, JavaScript, HTML, C/C++, Java.
- Linux Administration skills, familiarity with the Linux command-line interface. Knowledge of LAteX, Git, Microsoft and Google environments.

**Language**: Certified C1 English proficiency with an IELTS score of 7.5.

## VOLUNTEERING

**Croce Viola - Florence**          **2015 - Ongoing**

- As a team leader, coordinated ambulance teams, honing leadership and communication skills crucial for collaborative security efforts.