



# Matteo Leonelli

Date of birth: 10/08/1999 | **Nationality:** Italian | **Gender:** Male | (+39) 3425528556 |

[matteoleonelli99@gmail.com](mailto:matteoleonelli99@gmail.com) | <https://leonelli.github.io> |

<https://www.linkedin.com/in/matteo-leonelli-489684165/> | Italy

About me:

Cyber security master's student at Saarland University. Currently research assistant at CISPA.

## WORK EXPERIENCE

01/04/2022 – 30/09/2022 – Saarbrücken, Germany

**RESEARCH ASSISTANT** – CISPA HELMHOLTZ CENTER FOR INFORMATION SECURITY - THORSTEN HOLZ

**Research assistant in system security lab at CISPA.**

<https://cispa.de/en>

05/04/2021 – 31/08/2021 – Saarbrücken, Germany

**CYSEC PROJECT SUMMER TERM '21** – CISPA HELMHOLTZ CENTER FOR INFORMATION SECURITY - BITAHOY - ROMAN TABACHNIKOV

The project focuses on the risks attached to poorly developed **smart-home (connected) devices**, that carry an inherited risk to the data of its user be it through a **vulnerability or a malicious interaction** by a 3rd party. Mainly we focus on **IoT/smart-devices**, excluding personal devices such as mobile phones and PCs. This is due to the scope; unlike IoT devices, personal devices have a wide variety of features and thus people use their personal devices differently.

<https://bitahoy.com>

<https://cispa.de/en>

27/04/2021 – 30/09/2021 – Trento, Italy

**THESIS INTERNSHIP** – FONDAZIONE BRUNO KESSLER - SILVIO RANISE

Study on the **Italian electronic identity card (CIE 3.0)**. It can be used for authentication using its cryptographic capabilities and the **NFC** (Near Field Communication) protocol.

We explored different scenarios, such as the use of CIE 3.0 replacement for the business badge.

In this context I developed the infrastructure to use the CIE 3.0 to enroll and **access a predefined set of enterprise services** - such as pull-printing, clocking in/out and canteen. All the components are open-source, easily deployed and migrated, and developed **according to the current security best practices**.

<https://st.fbk.eu>

01/04/2021 – 09/2021 – Trento, Italy

**WEB DEVELOPER** – UNIVERSITY OF TRENTO - DICAM - DAVIDE GENELETTI

Development of a **website for DICAM "Planes" research center lab** at the University of Trento

<https://planes.dicam.unitn.it>

01/02/2019 – 31/12/2020 – Povo, Italy

**RESEARCH ASSISTANT** – FONDAZIONE BRUNO KESSLER - SILVIO RANISE

**Research Assistant in Security&Trust Lab at FBK.**

App development with Android Studio, creation of an authentication service and logging management app, creation of backend and API which support the application in Javascript and Nodejs, security testing, performance testing.

Paper presentation at **ITASEC2020**. Tool paper publication at **ACM CODASPY 2021**.

01/09/2020 – 02/2021 – Trento, Italy

**TUTOR PROGRAMMING 1 LECTURE** – UNIVERSITY OF TRENTO - MARCO ROVERI

**Tutor in Programming 1 course** (C based) at University of Trento.

<https://webapps.unitn.it/du/it/Persona/PER0003888/Didattica>

26/11/2018 – 31/01/2019 – Povo, Italy

**Mobile developer** internship into **Security&Trust** lab at **Fondazione Bruno Kessler**.

<https://ict.fbk.eu/units/st/>

30/08/2018 – 31/03/2019 – Spini di Gardolo, Italy

**WEB DEVELOPER** – GPI - DARIO BERTOLUZZA

---

**Web development** and graphic design on websites; through **Javascript, CSS, HTML, CMS** and **Joomla** at **OGP comunicazioni**.

<https://www.ogp.it/portfolio-page/99-web/289-sito-web-studio-giovannardi>

18/02/2019 – 22/02/2019 – Rovereto, Italy

**TUTOR PROM CAMP TUTOR** – FBK - PROM FACILITY

---

**Tutor** during the activities of the second edition of the **Prom Camp** organized by **FBK in Rovereto mechatronics center**.

<https://magazine.fbk.eu/it/news/prom-camp-studenti-al-lavoro-sullindustry-4-0>

10/12/2017 – 31/12/2020 – Ravina, Italy

**PHP WEB DEVELOPER** – MATRIX

---

Collaboration for a **PHP web service** to **control gates** and **presence** on embedded systems with Matrix.

<http://www.matrixtech.it>

05/03/2018 – 09/03/2018 – Rovereto, Italy

**TECH CAMP - PREDICTIVE MAINTENANCE** – FBK JUNIOR - PROM FACILITY

---

Selected for a **camp focused on the creation and discovery of new technologies** in order to create a project that overlapped between software (Python) and hardware (Arduino).

This camp took place at the **Mechatronics Center of Rovereto**.

Technologies applied: **IoT, python development, data security and web service**.

<https://fbkjunior.fbk.eu/projects/detail/prom-camp/>

<https://fbkjunior.fbk.eu/prom-camp-2018/>

<https://fbkjunior.fbk.eu/prom-camp-2018-participants/>

05/06/2017 – 07/07/2017 – Trento, Italy

**STAGE - JAVA DEVELOPER** – FONDAZIONE BRUNO KESSLER - GABRIELE ZACCO

---

Internship at **Smart Community Lab in FBK**. Involved with data analysis and software development. Programming in **Java**, use of Database noSQL (MongoDB) and data analysis through **Kibana** and **Elastic Search**

<http://www.smartcommunitylab.it/comunita/chi/>

## ● PUBLICATIONS

---

**Secure Pull Printing with QR Codes and National eID Cards: A Software-oriented Design and an Open-source Implementation - ACM CODASPY 2021**

---

<https://dl.acm.org/doi/abs/10.1145/3422337.3447847>

<https://st.fbk.eu/complementary/CODASPY2021.html>

## ● EDUCATION AND TRAINING

---

01/10/2021 – CURRENT – Saarbrücken, Germany

**MASTER'S DEGREE IN CYBERSECURITY** – Universität des Saarlandes & CISPA

---

**Thesis:** Open and Cross-platform Ecosystem for Enterprise Services Secure and Authenticated Access with the use of Italian Identity Cards and FIDO

104/110

<https://www.soi.unitn.it>

Computer technician diploma.

97/100

## ● LANGUAGE SKILLS

---

Mother tongue(s): **ITALIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
<b>ENGLISH</b>	C1	C1	C1	C1	C1
<b>GERMAN</b>	B1	B1	B1	B1	B1
<b>SPANISH</b>	B1	B1	B1	B1	B1

*Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user*

## ● DIGITAL SKILLS

---

CCNA, Cisco Routing and switching certification

## ● COMMUNICATION AND INTERPERSONAL SKILLS

---

### Organisational and Communication skills

---

I acquired good organisational and Communication and interpersonal skills during various activities in my free time. For instance, department representative in my university, collaboration with students' association like UniTiN, personal theater projects and debate groups.

<https://offertaformativa.unitn.it/en/lm/information-and-communications-engineering/contacts>

<http://www.unitin.com>

<https://www.consiglio.provincia.tn.it/news/giornale-online/Pages/articolo.aspx?uid=168526>

<https://bestr.it/badge/show/1648> - <https://r1.unitn.it/unicitta/>