# Matteo Rizzi

*matteo@rizzi.xyz*

---

## Bachelor in Computer Science, Junior Research Scientist

Born in 1998, 30 September, I work as a Junior Research Scientist in the Security and Trust unit at Fondazione Bruno Kessler. I joined the S&T unit to explore and improve TLS analysis and delve into identity management. I am working concurrently between FBK and the Istituto Poligrafico e Zecca dello Stato.

## Experiences

### Fondazione Bruno Kessler (Trento, Italy)

*Junior Research Scientist ● Feb, 2021 - Present*

Security analysis of the TLS deployments of IPZS projects, TLS Analysis in Android Apps and TLS tool enhancement within the Security & Trust research unit.

---

*Internship ● Feb, 2020 - May, 2020*

Study and improvement of TLS analysis tools within the Security & Trust research unit.

---

### Futuro & Conoscenza S.r.l. (Trento & Rome, Italy)

*Junior Research Scientist ● Jul, 2021 - Present*

Collaboration between [Fondazione Bruno Kessler](#) and [IPZS](#) to promote the exchange of know-how and competences in the field of security technologies (material and digital) such as identification and and anti-counterfeiting, as well as the creation of a center for the coordination and exploitation of research.

## Papers

### A modular and extensible framework for securing TLS

*in 12th ACM Conference on Data and Application Security and Privacy, CODASPY ● Apr, 2022*

Matteo Rizzi, Salvatore Manfredi, Giada Sciarretta, Silvio Ranise.

## Projects

### breaking-telegram

*PoC script to break Telegram ● 2021*

Simple PoC script that allows you to exploit telegram's "send with timer" feature by saving any media received with this functionality, automatically.

### TLSAssistant

*Version 1.3 and 2.0 to 2.3 ● 2020 - Present*

Fully-featured tool that combines state-of-the-art TLS analyzers with a report system that suggests appropriate mitigations and shows the full set of viable attacks.

### iHashDNA

*Perceptual hashing library in python ● 2020 - Present*

Python library to easily check if two images are similar without machine learning by using Perceptual Hashing (phash and whash combined), with ban and unban image system.

## Minor Works

### Mallodroid

*Conversion in Python 3 and enhancements ● 2020 - 2021*

---

### telegram-deep-fakes-bot

*Easy implementation and use of the first order model ● 2020*

---

### Rappresentanti Bot

*HelpDesk Telegram bot to support DISI Students in University of Trento ● 2019*

## Education

**University of Trento (Trento, Italy)**

*Bachelor of Computer Science ● Sept, 2017 - Mar, 2021*

Thesis in *TLS Analyzers for Android Apps - State-of-the-art Analysis and Integration in TLSAssistant.*

---

**I.I.S. Primo Levi (Badia Polesine, Italy)**

*High School Diploma ● Sept, 2012 - Sept, 2017*

Final elaborate in *psychoanalysis of James Joyce and the artificial intelligences*.

## Certifications

**CyberWiser - CyberRange And Capacity Building in CyberSecurity**

| Module | Date | Certificate |
|---|---|---|
| *P-01-M-01* | May 19, 2021 | Download |
| *P-01-M-02* | May 20, 2021 | Download |

| Module | Date | Certificate |
|--------|------|-------------|
| *P-02* | May 20, 2021 | [Download](#) |
| *P-03* | May 20, 2021 | [Download](#) |
| *P-04* | May 25, 2021 | [Download](#) |
| *P-05* | June 4, 2021 | [Download](#) |
| *P-06* | June 4, 2021 | [Download](#) |

**First Certificate**

*Cambridge Assessment English - B2 ● Apr, 2017*

**ECDL Base**

*ECDL / ICDL Certification ● May, 2016*

## Soft Skills

**University of Trento (Trento, Italy)**

*Student Representative for DISI ● Nov, 2018 - Nov, 2022*

Department Of Information Engineering And Computer Science