



## Matteo Rizzi



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### Bachelor in Computer Science, Assistant Research Scientist

I am an Assistant Research Scientist in the Security and Trust unit at FBK. 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)

*Assistant 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.

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*Internship • Feb, 2020 - May, 2020*

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

### 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.

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## **TLSAssistant**

*Version 1.3 and 2.0 (soon) • 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.

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## **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*

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### **telegram-deep-fakes-bot**

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

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### **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*

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## 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

### First Certificate

*Cambridge Assessment English - B2 • Apr, 2017*

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### ECDL Base

*ECDL / ICDL Certification • May, 2016*

