Matteo Rizzi

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MSc in Computer Science, Cybersecurity Risk Manager and Technologist

Born on 1998, 30 September, I hold the positions of Cybersecurity Risk Manager at Fondazione Bruno Kessler and Technologist in the organization's Security and Trust unit. I serve as one of the two Points of Contact for the NIS2 Directive (2022/2555) at Fondazione Bruno Kessler. I joined the S&T unit to explore and improve TLS analysis and delve into identity management. While safeguarding Fondazione Bruno Kessler from cyber threats, I am looking into new opportunities and technologies and I formerly worked with Istituto Poligrafico e Zecca dello Stato. I am one of the 25 FBK Science Ambassadors and I hold a certification as a Data Protection Officer.

Experiences

Fondazione Bruno Kessler (Trento, Italy)

Cybersecurity Risk Manager ● Jul, 2025 - Present

Appointed as Cybersecurity Risk Manager, with the task of overseeing and executing all IT risk assessment and treatment processes. My core responsibilities include implementing the cybersecurity risk management plan by identifying, analyzing, evaluating, treating, and continuously monitoring risks to information and network systems, in strict accordance with approved corporate policies. This role encompasses defining and documenting cybersecurity policies, overseeing all cyber risk management processes, and extends to evaluating and managing risks associated with the supply chain to ensure that threats introduced by third-party vendors, their products, and services are understood, documented, and effectively mitigated. Furthermore, I supervise the vulnerability management lifecycle (from intake and analysis of new threats to ensuring the timely application of countermeasures) and coordinate personnel training and awareness initiatives on cyber risk. I am also responsible for verifying the adequacy of security controls and producing periodic reports on the organization's compliance and risk posture,

operating in close coordination with the Chief Information Security Officer to ensure a cohesive and integrated information security strategy.

JointLab for Cybersecurity ● *Jan, 2025 - Present*

A shared internal hub between the Center for Cybersecurity and the Digital Solutions and IT Infrastructure Service, active since January 1st, 2025. It represents both a first-response task force in the event of incidents and a unified service for training, consulting, and support with custom solutions to common problems, according to the Zero Trust approach, at combined research and production level deriving from internal vertical expertise in digital identity management, risk assessment, cloud-native security, applied cryptography, and administration of complex IT systems. Its objective is to experiment methods to increase incisiveness and proactivity in the field of cybersecurity, and at the same time act as a test bed for the future export of the model as a service to be offered to other provincial bodies and to the local productive sector.

Point of Contact for Directive 2022/2555 NIS2 ● *Feb, 2025 - Present*

Appointed as one of the two Points of Contact for Fondazione Bruno Kessler regarding NIS2 Directive compliance. Responsible for liaising on cybersecurity measures, coordinating organizational efforts to meet regulatory requirements, and ensuring adherence to the directive's standards for network and information systems security.

FBK Talent Development Program ● *Mar, 2025 - Present*

Participated in the FBK Talent Development Program, a structured experiential learning path aimed at enhancing individual potential and guiding professional growth. The program integrated potential assessment with personalized feedback, career path mapping, and the development of tailored strategies aligned with organizational and personal goals. This initiative provided practical tools to navigate career development with greater clarity, expand skill sets, and foster growth within and beyond the organization.

FBK Science Ambassador Program ● *Jun, 2024 - Mar, 2025*

Selected as one of [25 FBK Science Ambassadors](#) in a highly competitive program aimed at enhancing research talent and science communication skills. This prestigious initiative, part of FBK's Talent Program, focuses on training young researchers to effectively convey innovations and technological advances to society. The program includes high-level training in science communication, content creation, and multi-channel communication strategies, with the goal of becoming a skilled ambassador for FBK's research and its societal impact.

Security Administrator ● Sep, 2022 - Present

Studying the state of the art and applying my expertise of risk analysis, red teaming, blue teaming, OSINT, and offensive technologies; conducting continuous pentests on the infrastructure and introducing new defenses to safeguard and protect Fondazione Bruno Kessler from cybercriminals.

Technologist ● Jan, 2024 - Present
Researcher ● Sep, 2022 - Dec, 2024; *Junior Research Scientist ● Feb, 2021 - Sep, 2022*

Security analysis of the TLS deployments of IPZS projects, TLS Analysis in Android Apps and TLS tool enhancement within the Security & Trust research unit. Working on Breach and Attack Simulation tools, Honeypot, cyber deception, OSINT.

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 - 2023

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.

If you are a recruiter and you want to write me, use the word "duck" somewhere.
This is a proof that you atleast open this page and read until here.

Papers

Work-in-Progress: A Sidecar Proxy for Usable and Performance-Adaptable End-to-End Protection of Communications in Cloud Native Applications

2024 IEEE European Symposium on Security and Privacy Workshops, EuroS&PW ● Jul 8-12, 2024

Stefano Berlato, Matteo Rizzi, Matteo Franzil, Silvio Cretti, Pietro de Matteis, Roberto Carbone.

Automating Compliance for Improving TLS Security Postures: An Assessment of Public Administration Endpoints

21st International Conference on Security and Cryptography, SECRYPT ● July 8-10, 2024

Riccardo Germenia, Salvatore Manfredi, Matteo Rizzi, Giada Sciarretta, Alessandro Tomasi, Silvio Ranise.

[Out of Proceedings] - Protecting FBK IT Infrastructure: Towards Zero Trust

ITASEC 24 Salerno ● Apr 8 -12, 2024

Matteo Rizzi, Umberto Morelli, Chiara Cesareo, Marco de Rosa, Silvio Ranise.

Demo: TLSAssistant v2

in ACM Symposium on Access Control Models and Technologies, SACMAT ● Jun, 2022

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

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.

Awards

Premio Tesi - Clusit (Milan, Italy)

Placed 3rd, Associazione Italiana per la Sicurezza Informatica 17th Edition ● Sep, 2022

The "Innovare la sicurezza delle Informazioni" award is given to the most innovative university theses in information security to foster cooperation between companies, institutions, and students in Italy. A point of interchange between the productive and scientific worlds, students and the working world, motivated by participants' demands and experiences.

Teaching and Tutoring

Cybersecurity Course - Sicurezza del Prodotto

Ordine degli Ingegneri di Trieste ● Mar 19, 2024

sponsored also by Ordine Degli Ingegneri di Udine and Valle d'Aosta

Conducted a 4-hour course for the Ordine degli Ingegneri di Trieste, Ordine degli Ingegneri di Udine (2nd ref) and Ordine degli Ingegneri d'Aosta focused on product security, exploring essential aspects of the topic and highlighting the vital importance of cybersecurity in contemporary products. Investigating diverse product applications and potential vulnerabilities, while reinforcing essential concepts. The course addressed Security by Design principles in IoT, with a focus on MQTT, TLS and Certificates, API Calls, and device interconnection and authentication, as well as essential security considerations in product design. The discussion includes physical security, analyzing offline object attacks and differentiating among Trusted Execution Environments, Secure Areas, Secure Elements, and Hardware Security Modules. The curriculum encompasses device preparation utilizing microkernels, emphasizing

security in "pocket" operating systems and the protection of devices with minimal operating systems. The course culminates with an introduction to AI and its implications for product security, equipping students with a comprehensive understanding of current product security challenges and solutions.

Secure Self-Management of Servers and PC

Fondazione Bruno Kessler ● Jan, 2024 - Present

Recorded and taught two mandatory courses designed to aid researchers in the secure management of servers and personal computers, aimed at enhancing their ability to defend against and mitigate risks associated with the cyber kill chain.

CyberSecurity [at] Buonarroti

Istituto Tecnico Tecnologico Buonarroti, Trento ● May, 2023 - Jun, 2023 ~ Jan, 2024 - Feb, 2024

Conducted two out of four sessions involving penetration testing of the sensors at Buonarroti High School, with the objective of invalidating data and highlighting the significance of cybersecurity within the industry. The lesson involved the explanation of various techniques employed in cyber attacks, specifically focusing on the Advanced Persistent Threat (APT) and its current methodologies. Real-life examples were provided to illustrate the concepts, such as the Rogue Access Point (Wireless), Man-in-the-Middle (MiTM) attacks, and Web Vulnerability Assessment, all within the context of the school website. In 2024, conducted two out of four sessions involving SQL Injection testing and XSS, with the objective of teaching students attacks and highlighting the significance of cybersecurity within the industry. The lesson involved the explanation of various techniques employed in cyber attacks, specifically focusing on the SQL and XSS. Real-life examples were provided to illustrate the concepts.

PhD Course Digital Identity 2023

Fondazione Bruno Kessler, Security And Trust Unit ● Apr, 2023

I successfully delivered a lecture on the diverse attacks applicable to TLS in a PhD course, under the guidance of Salvatore Manfredi and Giada Sciarretta. During the lecture, I provided a comprehensive explanation of Oracle Attacks in a cryptographic context, and additionally presented a Proof of Concept showcasing the HeartBleed Vulnerability.

Thesis Supervisor

Filippo D. in FBK, RiSING Unit ● Jun, 2024 - Sep, 2024

Mapped MITRE ATT&CK tactics to Infrastructure-as-Code (IaC) environments via NLP-enhanced APT analysis, enabling predictive threat modeling for corporate attack surfaces.

Matteo B. in FBK, Security and Trust Unit ● Jun, 2024 - Sep, 2024

Conducted comparative analysis of open-source Breach-and-Attack Simulation (BAS) tools, establishing feature-based taxonomy and identifying critical research gaps in automated threat-emulation frameworks.

Riccardo G. in FBK, Security and Trust Unit ● Apr, 2023 - Aug, 2023

Developed a novel TLS security assessment module for TLSAssistant, automating compliance verification with NIST/BSI/ANSSI standards and resolving PSA-DSS vulnerabilities in testssl.sh, earning recognition from NIST.

Sara S. in FBK, Security and Trust Unit ● Apr, 2023 - Aug, 2023

Designed an integrative gamification framework for cybersecurity awareness programs, synthesizing 50+ research papers to create structured educational tools for fostering secure digital habits.

Internship Tutor

Dennis O. in FBK, RiSING Unit ● Set, 2024 - Feb, 2025

Designed eBPF-based system-call interception to redirect file operations into ephemeral sandboxes, enabling dynamic honeysystem generation for in-memory attack deception.

Samuele B. in FBK, RiSING Unit ● May, 2024 - Jul, 2024

Quantified detection discrepancies between high/low-interaction honeypots through traffic-pattern analysis, proposing differentiation metrics for real-world adversarial simulation accuracy.

Filippo D. in FBK, RiSING Unit ● Mar, 2024 - Jun, 2024

Mapped MITRE ATT&CK tactics to Infrastructure-as-Code (IaC) environments via NLP-enhanced APT analysis, enabling predictive threat modeling for corporate attack surfaces.

Matteo B. in FBK, Security and Trust Unit ● Mar, 2024 - Jun, 2024

Conducted comparative analysis of open-source Breach-and-Attack Simulation (BAS) tools, establishing feature-based taxonomy and identifying critical research gaps in automated threat-emulation frameworks.

Riccardo G. in FBK, Security and Trust Unit ● Feb, 2023 - Apr, 2023

Engineered TLSAssistant's security compliance module with automated dataset management and NIST-recognized algorithms for parsing TLS configurations, resolving PSA-DSS vulnerabilities via testssl.sh integration.

Andrea B. and Mattia A. in FBK, Security and Trust Unit ● *Jun, 2022 - Jul, 2022 ~ Aug, 2023 - Sep, 2023*

Andrea B. and Mattia A. are two outstanding students from Istituto Tecnico Tecnologico Buonarroti (Trento, Italy). Collaboratively designed security posture awareness tools addressing password management and phishing attacks, demonstrating aptitude in database systems and overflow threat analysis as third-year technical institute students.

Federica M. and Davide M. in FBK, Security and Trust Unit ● *Jul, 2023*

Produced accessible educational videos explaining cybersecurity cognitive biases and threat mitigation strategies, targeted for non-technical audiences from technical institute backgrounds.

Matilde S. and Mattia C. in FBK, Security and Trust Unit ● *Jun, 2023 - Jul, 2023*

Developed OSINT-based social media risk assessment workflow incorporating digital footprint analysis and online source investigation techniques for profiling personal exposure vectors.

Federico C. in FBK, Security and Trust Unit ● *Feb, 2022 - Apr, 2022*

Automated TLS vulnerability detection/correction for NGINX servers through configuration parser development, simultaneously analyzing TLS ecosystem weaknesses in Italian public administration infrastructure.

Ivan V. in FBK, Security and Trust Unit ● *Feb, 2022 - Apr, 2022*

Integrated ALPACA/Racoon/Poodle variant detections into TLSAssistant while improving TLSScanner's performance via statistical analysis of 50,000 top websites, advancing TLS threat detection capabilities.

Public Events

Mattino Insieme 04/06/2025

Trentino TV, Mattino Insieme ● Jun, 2025

We discussed cybersecurity and the protection of our data in a live session with Silvio Ranise, the director of FBK's Cybersecurity Center, and Matteo Rizzi from FBK's Security & Trust Unit.

FBK: Cyber Igiene

Rai Radio 1, VivinTrentino ● Feb, 2025

Protecting one's data is a daily responsibility: adopting good digital habits is the first step to browsing that is safe and aware, and that keeps us away from cyber attacks, data theft, and violation of our privacy. Me and the colleague Giada Sciarretta went into detail about good practices and the right behaviors to adopt to best protect ourselves.

Informazioni online e identità digitale, ecco come difendere i propri dati

Rai News, TGR 3 Trentino ● Jan, 2025

Featured in a Rai News segment on digital identity protection, I contributed technical expertise alongside my colleague Giada Sciarretta. We addressed phishing (80% of 2024 incidents) and credential vulnerabilities, emphasizing multi-factor authentication and password managers with cryptographically robust keys. Talked about structured password hygiene (16+ alphanumeric-symbol combinations) and

email aliasing as risk-management tactics for sensitive services whilst also highlighted FBK's institutional research in translating zero-trust architectures into public cybersecurity guidelines, focusing on behavioral defenses like secondary-channel verification of suspicious requests.

We were featured in a series of articles all across the web: locally lavocedeltrentino, gardapost, ladigetto, ildolomiti; nationally ANSA, Adkronos and others.

Case History Cyberwar

Camera di Commercio di Verona e Trento, Il Sole 24 Ore formazione ● Nov, 2024

Presented in the final of four sessions, "The New Frontiers of Online Protection—From Digital Identity to Cyberwar," with the goal of providing a comprehensive understanding of cyber threats, with a focus on the activities of online criminal organizations (VID1 and VID2).

Career Week [at] Primo Levi

Istituto Primo Levi Badia Polesine ● Feb, 2024

Dialogue with Matteo Rizzi, a researcher in Cybersecurity, system administrator of the Fondazione Bruno Kessler, and former student of the institute, featuring a practical example of potential cybersecurity failures, exploring possible work pathways, and posing thought-provoking questions while conducting real scenario attacks on the institute utilizing an actual vulnerability.

Notte Della Ricerca 2023: SIAMO AL SICURO? METTIAMOCI ALLA PROVA! (58)

Un viaggio nel mondo della sicurezza informatica - Museo della Scienza MUSE ● Sept 29, 2023

Through games and hands-on demonstrations, various topics related to cybersecurity will be presented. The most dangerous cyber attacks will be explored, as well as the behaviors to be adopted to ensure maximum protection of online data privacy and digital identity.

Wired Next Fest 2023: Cybersecurity non è solo roba da nerd

Ex-Scuole Damiano Chiesa, Rovereto ● May, 2023

Child grooming, posting sensitive information online and/or on social media, ransomware that takes control of your data for ransom. All threats that the latest device and constantly updated antivirus can help protect against, but not enough. Human error often opens the floodgates and destroys the best defenses. Thus, cybersecurity begins with culture. Learn the first and most important defense methods to protect your data and family.

Cybersecurity: the experience of two young professionals

LiceoSteam, Rovereto ● Apr, 2023

Dialogue with Giada Sciarretta and Matteo Rizzi, two experts from the Center for Cyber Security at the Bruno Kessler Foundation who will share their career paths, showing how one can get to play important roles in cybersecurity and digital innovation by following different paths. The discussion was also an opportunity to understand the importance of digital security in public administration and to stimulate students' interest in cybersecurity with real-world examples.

Projects

Cleanse Lab - CLoud Native ApplicatioN Security

Dedagroup and Fondazione Bruno Kessler ● Apr 2024

Collaborated with a team to establish the requirements and contributions that FBK can offer to the Cleanse Co-Innovation Lab, a joint initiative between Dedagroup and Fondazione Bruno Kessler (FBK) centered on cybersecurity for cloud-native software. The project focused on developing methodologies and tools that are secure by design to comply with the growing cybersecurity standards, including those mandated by the NIS2 regulation. Participated in research focused on digital identity and the security of distributed services, utilizing FBK's expertise alongside Dedagroup's practical experience. The laboratory's efforts encompassed enhancing the Digital Hub platform and advancing software architectures into secure cloud-native infrastructures. Involved in tackling the cybersecurity skill gap that integrate activities at both FBK and Dedagroup.

Security of the Trentino eHealth Infrastructure

APSS - Provincia Autonoma di Trento and Fondazione Bruno Kessler ● Sept, 2023 - Present

In an innovative collaboration between eHealth and FBK, a cutting-edge initiative has been undertaken to enhance the Sanitary system of Trentino. This ambitious project aims to fortify the infrastructure and application with a robust layer of cybersecurity, ensuring the utmost protection of citizens' personal and sensitive information against potential external threats.

European Digital Identity Wallet

Authentication flows, issuing and safe storage of the documents ● 2022 - 2024

I am currently engaged in an esteemed partnership between Istituto Poligrafico and Zecca dello Stato, collaborating under the valued banner of FBK. Our focus lies in the realm of cybersecurity, specifically in the development of The European Identity Wallet. This groundbreaking initiative entails the creation of a sophisticated personal digital wallet, empowering individuals to seamlessly authenticate their identities, securely store crucial documents, and efficiently manage their electronic records.

Linux Hardening for Banks

Allitude - Cassa Centrale Banca ● Jul, 2023

Development of comprehensive guidelines for enhancing the security of Linux servers and systems, with a specific focus on fortifying the operating systems and kernels utilized within banking environments.

Multi-CIE System

Ideation of the Multi-CIE function in the CieID App ● Jan, 2022 - March, 2022

The CieID App allows users to verify themselves for public services in Italy by using the CIE Card, commonly known as Carta di Identità Elettronica (eID card). Worked as part of a team to develop the best method for storing multiple eID cards in the APP while keeping the highest level of security and determining the optimum balance of security and usability.

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

Starting from Version 1.3 ● 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 - 2022 (Suspended)

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.

Remarkable Participations

Police and General Prosecutor of Trento

Fondazione Bruno Kessler and Procura di Trento

Collaborated with the general prosecutor of the autonomous province of Trento on one active project, as well as with the postal police and ROS Carabinieri on more than one sporadic occasion, in order to combine the bleeding-edge technologies of the research with the expertise of the law enforcement.

Invited at the [High-Flyers Day Information Technology 2024](#)

Almalaurea ● Oct, 2024

High-Flyers Day is an exclusive online recruitment event that connects Italy's top talent with leading national and multinational companies. The event carefully selects 20 outstanding recent graduates and soon-to-graduate students from universities across Italy, as identified by AlmaLaurea. These candidates have the unique opportunity to participate in multiple job interviews with participating companies all in one day, allowing them to explore positions that match their skills and showcase their capabilities, specifically targeting graduates and final-year students in Computer Science, Computer Engineering, Management Engineering, Mathematics, Physics, and Statistics.

I was regarded a suitable candidate belong the 20 candidates, which I declined due to my current employment in a stable and well-defined environment.

Protecting FBK IT Infrastructure: Towards Zero Trust

Fondazione Bruno Kessler , Partner Visit - Virginia Tech University ● May 16, 2024

In a world where technology changes quickly, businesses need to put security measures at the top of their list of priorities to protect themselves from sophisticated cyber threats. Zero Trust is a complete security framework that stresses the need for strict access controls and constant monitoring to keep sensitive data and systems safe. Implementing zero trust isn't easy because it's not a one-size-fits-all solution. This work is a report on our experience and results with Zero Trust, as well as the steps we took to deal with problems. We get ideas from Microsoft's approach and change it to fit the needs of FBK, which has a changing environment with visiting staff, working from home, using personal devices, and using resources that are open to the public. It is built on two things: technical solutions and training for employees.

AI and Research Seminar

Fondazione Bruno Kessler ● Dec, 2023 | Mar, 2025

Conducted a seminar on AI solutions for research at Fondazione Bruno Kessler alongside colleague Matteo Franzil, examining their influence on data processing and analysis. The presentation addressed prominent market AI tools, analyzing their respective strengths and weaknesses. We examined how these solutions can improve literature review, facilitate paper discovery, and aid in data interpretation, while highlighting the necessity of balancing AI capabilities with human expertise. Participated in a live demonstration of various AI tools, highlighting their practical applications in research workflows. The seminar emphasized the capability of AI to enhance research processes, enabling researchers to concentrate on intricate tasks that necessitate human insight, including study design and hypothesis formulation.

IIMEO Seminar

Fondazione Bruno Kessler ● Oct, 2023

Within the framework of the Project funded by the European Union (EU) under the Horizon Europe program, the [IIMEO project](#) (Instantaneous Infrastructure Monitoring by Earth Observation) delivered a presentation addressing the cybersecurity risks that may emerge in their specific scenario.

Minor Works

Threat-intelligence-telegram

A bot to quickly get information about an IP using threat intelligence. ● 2023

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)

Master of ICT Innovation, Career Path Cybersecurity ● Sept, 2021 - Oct, 2024

110 Cum Laude

Thesis in *Monitoring the monitor- Analysis of eBPF's behavior in virtualised environments*

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*.

Data Protection Officer

Progetto81 ● *May, 2025*

Successfully completed an 80-hour Data Protection Officer (DPO) training course in accordance with GDPR (EU Regulation 2016/679). The program provided comprehensive expertise on privacy laws, risk management, IT security, and compliance responsibilities. This certification validates my qualifications to **serve as a DPO**, ensuring adherence to GDPR standards and effective implementation of data protection strategies.

To access the certification, please contact me directly, as it contains personal data that I am not comfortable sharing publicly.

Data Protection Officer

Progetto81 ● *May, 2025*

Fondazione Bruno Kessler - Courses

Course	Hours	Date	Topics
Crisis Communication	6	May, 2025	A workshop that provides an immersive experience, combining theoretical analysis with high-intensity practical exercises. These activities are designed to test participants' decision-making skills and execution speed within a simulated crisis context. The goal is to equip participants with a strategic approach that allows them to anticipate critical issues and respond in a timely and effective manner.
Laboratorio di intelligenza emotiva base 2025	8	May, 2025	Structured training program on emotional intelligence aimed at enhancing self-awareness, understanding organizational roles, and navigating change dynamics. The course focused on recognizing and managing emotions, improving decision-making and interpersonal relationships, and leveraging personal insights through structured feedback. Additionally, it developed skills to address organizational challenges, adapt to change, and balance strategic and operational priorities through increased emotional and conceptual capacity.
Comunicare la Ricerca alle Imprese	8	May, 2025	Training course designed to enhance the dissemination and valorization of scientific research for engagement with businesses. The course focused on developing targeted communication strategies, understanding industry touchpoints, and creating impactful pitches. With a blend of theory, practical exercises, and case studies, we acquired skills in effective storytelling, audience targeting, and the use of professional communication tools such as presentations, videos, and emails to foster collaboration and technology transfer opportunities.
Kubernetes Advanced Networking	14	Apr, 2024	Networking in Kubernetes, covering essential topics such as Pod and Service Networking, Ingress Controllers, and Network Policies, Container Network Interface (CNI) providers, introduction to service mesh technologies, and overview of eBPF Networking.
Data Management in Kubernetes	7	Jan, 2024	Data management in Kubernetes, covering stateful application requirements, dynamic application configuration, secrets management, certificates management, container registries, and various storage requirements including block, file, and object storage. Container Storage Interface (CSI) providers, persistent volumes management, data protection, including backup and restore techniques using Velero, and strategies for disaster recovery.
Excellence in context. Scientific leadership	2	Jan, 2024	Creating conditions for clever people to do great research.

Course	Hours	Date	Topics
Sviluppo della leadership	16	Jan, 2024	Innovative organizations need diverse leadership to collaborate, integrate, build trust and agility. Leadership must therefore be developed and trained regardless of the organizational role.In what context can they be developed and what are the key skills necessary for the various leadership styles? The objective of the initiative is to promote widespread leadership in the organization starting from personal leadership.
Comunicazione funzionale per IT	16	Jun, 2023	Enhancing personal communication skills and emotional intelligence. Understand and manage their basic communication functions, automatic responses, and emotions during interactions, improving active listening skills and developing assertive communication techniques, ability to intervene and modify communication dynamics to align with specific goals. Crucial interpersonal skills such as conflict management, handling disagreements, developing mediation abilities, strategies for managing stress, adapting to unexpected events, and navigating changes, resulting in a well-rounded approach to effective communication in various personal and professional contexts.

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
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

Microsoft

Module	Date	Certificate
Into the Breach	February 07, 2023	Verify
Microsoft Azure Security Technologies (A)	March 07, 2023	Download

First Certificate

Cambridge Assessment English - B2 ● Apr, 2017

ECDL Base

ECDL / ICDL Certification ● May, 2016

Technical and Programming Skills

I am widely proficient in everything that touches the cybersecurity realm. My areas of expertise include security testing, vulnerability assessment, cyberrisk assessment, network security (e.g. DmZ, firewalls, honeypots), privacy, trust, OSINT, and digital identity. During the Machine Learning course, I worked with advanced deep learning systems (such as a convolutional neural network to identify Covid-19 from radiography, in 2020), achieved the highest gpa in multimedia data security (e.g. invisible and visible watermarking, compression resistant watermarking and classifying differences from video compression applied by Facebook and Youtube). I also earned the highest GPA in the Offensive Technologies course, in which I learned how to perform attack and defense in the cyberspace.

I had the highest GPA possible (110 Cum Laude) in Master in Cyber Security, and i hold the certification for a Data Protection Officer position.

Throughout my career, I have discovered numerous flaws —some of them critical— in the infrastructures used by the Fondazione Bruno Kessler and other academic institutes, as well as critical vulnerabilities of infrastructures of cybersecurity firms. I was also able to collaborate with the Postal Police, Procura di Trento, and ROS Carabinieri while researching new technologies in the field. In addition, I managed to analyze the CIEApp (Carta Identità Elettronica) with the Open Web Application Security Project (OWASP). Threat intelligence and Open Source Intelligence is a topic that deeply interests me.

Programming Skills

Language	Knowledge Level
Python, Java, C (and C++), SQL	*Proficient*
Kotlin, PHP	*Intermediate*
RUST	*Basic (willing to improve)*
JS, PolyML, R, ASM	*Basic*

Known Standards

Name	Common Name	Level
ISO 23220	Building blocks for identity management via mobile devices	Proficient
ISO 18013-5	Mobile Driving License	Proficient
ISO 29003	Identity proofing	Proficient
ISO 29115	Entity authentication assurance framework	Proficient
EUDI Wallet Framework	European Digital Identity Architecture and Reference Framework	Proficient
ISO 27001	Information security management systems, Requirements	Proficient
NIST 800-53	Security and Privacy Controls for Information Systems and Organizations	Proficient
NIS2 Directive (2022/2555)	Directive (EU) 2022/2555	Proficient
GDPR (2016/679)	General Data Protection Regulation	Proficient
CRA	Cyber Resilience Act	Intermediate
ISO 27036	Cybersecurity - Supplier Relationships	Intermediate
NIST 800-63-3	Digital Identity Guidelines	Intermediate
RFC 3227	Guidelines for Evidence Collection and Archiving	Basic

Interests and Soft Skills

Social Profile

Assessed with 16 Personalities paid test ● 2025

Highly driven and strategic professional with a natural aptitude for structured problem-solving and goal-oriented decision-making. Accomplished in cultivating innovative solutions by integrating analytical thinking, adaptability, and creativity. Known for fostering collaboration, clear communication, and consistently leading projects with precision and a proactive mindset. Thrives in environments that challenge critical thinking while bringing clarity and organization to complex situations.

At the same time, I am most effective in roles where objectives and rationales are clearly defined and align with broader strategic goals. As a weakpoint, I am reluctant to engage in tasks that lack purpose or structure, I channel my efforts into environments that prioritize logic, strategy, and outcome-driven initiatives. My independence and high standards occasionally emphasize efficiency over emotional considerations, requiring conscious effort to adapt my approach in highly collaborative or emotionally charged contexts. Nevertheless, this commitment to excellence and precision drives constantly improving both technical expertise and interpersonal effectiveness, ensuring consistent personal and professional growth.

Work Interests

What i really want to do in my future ● *2023*

I am passionate about *CyberSecurity, Privacy, Forensics and Digital Identity*, as well as the solutions that embrace these areas, which include (but are *not limited to*) *Security Protocol Analysis, Access Control, Zero-Trust and Zero-Knowledge methods, Malware Analysis and AI-Powered CyberSecurity*. I am particularly intrigued by the idea of developing novel solutions and conducting scientific research in these fields.

University of Trento (Trento, Italy)

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

Department Of Information Engineering And Computer Science

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