

ANDREA PALMIERI

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PROFESSIONAL EXPERIENCE

Cybercrime and Forensic Investigations Specialist at **UBS**

Oct. 2022 - ongoing, Zurich (Switzerland)

- Conducted cybercrime and forensic investigations for internal functions
- Assisted cross-functional teams in managing cyber-fraud cases
- Evaluated intelligence to assess risk to the organization and their clients
- Analyzed cyber threats against the organization and client-facing systems

Cyber Threat Intelligence Analyst at **UBS**

Jan. 2021 - Sep. 2022, Zurich (Switzerland)

- Monitored and analyzed cyber threats to identify and assess risks to the organization
- Evaluated risks and controls to identify weaknesses and recommend improvements
- Produced and presented in-depth threat intelligence reports to senior management
- Developed and implemented threat mitigation strategies based on identified risks

Information Security Analyst at **PartnerRe**

Oct. 2019 - Dec. 2020, Zurich (Switzerland)

- Conducted security incident detection, response, and investigation
- Improved the company's security posture on-premise and in the cloud
- Developed and executed phishing exercises to test the company's security defenses
- Assessed corporate devices to identify vulnerabilities and recommend improvements
- Provided technical support and guidance on information security best practices

Junior researcher at **SAP**

Mar. 2019 - Sep. 2019, Sophia Antipolis (France)

- Identified and tracked threat actors on web applications using research tools
- Developed and tested research elements using JavaScript, Python and JupyterLab
- Collaborated with senior researchers to develop research projects and proposals
- Assisted in the development and implementation of research protocols and procedures

Junior researcher at **Fondazione Bruno Kessler**

Mar. 2018 - Oct. 2018, Trento (Italy)

- Developed a Python tool to automatically assess the security of MQTT deployments
- Conducted research on the security of MQTT deployments and protocols
- Developed and implemented state-of-the-art attacks for the MQTT protocol in Python

Junior penetration tester at **Fondazione Bruno Kessler**

Nov. 2017 - Mar. 2018, Trento (Italy)

- Conducted vulnerability and security assessments of IoT web platforms
- Performed manual and automated analysis focused on web vulnerabilities
- Presented findings and identified mitigations to address identified vulnerabilities

EDUCATION

M.Sc. in Cybersecurity at **EIT Digital**

Sep. 2017 - Sep. 2019, Trento (Italy) and Sophia Antipolis (France)

Summer school on Big Data Analytics at **EIT Digital**

Aug. 2018 - Sep. 2019, Sotckholm (Sweden)

B.Sc. in Computer Science at **Università degli studi di Trento**

Sep. 2013 - Mar. 2017, Trento (Italy)

CERTIFICATIONS

Google Foundations of Project Management - Coursera

Sep. 2022

Google Data Analytics Specialization - Coursera

Jun. 2022

Diamond model threat analysis - Threat Intelligence Academy

Feb. 2022

PUBLICATIONS

Application security through multi-factor fingerprinting

- Patent US20210160277A1
- Presentation at SecWeb 2020

MQTTSA: A Tool for Automatically Assisting the Secure Deployments of MQTT Brokers

- doi: 10.1109/SERVICES.2019.00023
- Publication at 2019 IEEE World Congress on Services (SERVICES)

LANGUAGES

Italian *mother tongue*

English *fluent*

German *basics*

PROJECTS

Security blog (andpalmier.com)

Authored posts on malware analysis, machine learning and phishing. Popular posts:

- [Analysing an Android app used to stalk people](#)
- [Analysis of the malicious document distributing Emotet](#)
- [How to pollute database of victims of phishing kits with fake data](#)
- In depth analysis of various phishing kits: [Office 365](#), [LinkedIn](#) and [ING Bank](#)

apkingo ([GitHub link](#))

Tool written in Golang to extract detailed information from apk files

makephish ([GitHub link](#))

Golang tool to clone and patch login forms to create phishing pages