Matteo Leonelli

DATE OF BIRTH:
10/08/1999

CONTACT

Nationality: Italian

Gender: Male

Italy

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ABOUT ME

Bachelor's degree student in Computer Science at the University of Trento. Currently Erasmus student at Saarland University.

WORK EXPERIENCE

05/04/2021 – CURRENT – Saarbrucken

CySec Project Summer Term '21

CISPA Helmholtz Center for Information Security

The CySec 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. Contrary to this, IoT devices usually have a limited amount of functions and thus, are being used basically the same way all over the world.

We are focus on the following aspects:

Encryption: The product must use encryption for all of its network communications functions and capabilities. The product must also use encryption at rest to ensure that customer data is protected in storage.

Check headers, check GDPR on website (included in the policy)

Security updates: The product must support automatic updates for a reasonable period after sale, and be enabled by default.

Strong passwords: If the product uses passwords for remote authentication, it must require that strong passwords are used, including having password strength requirements. Any non-unique default passwords must also be reset as part of the device's initial setup.

check GDPR on website/device. Intercept pw? Maybe check how old the device is.

Vulnerability management: The vendor must have a system in place to manage vulnerabilities in the product. This must also include a point of contact for reporting vulnerabilities or an equivalent bug bounty program.

Check CVE, check bug-bounty websites

Privacy Practices: The product must have privacy information that applies specifically to the device, not a generic privacy policy that is written to cover just the company web properties.

27/04/2021 – CURRENT – Trento, Italy

Internship Fondazione Bruno Kessler

Silvio Ranise

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

We are interested in exploring further scenarios, such as the use of CIE 3.0 replacement for the business badge.

In these context I will develop the infrastructure to use the CIE 3.0 to enrol 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 the current security best practices.

01/04/2021 – CURRENT – Trento, Italy

Web Developer

University of Trento

Development of a website for the DICAM "planes" research center at the University of Trento

01/02/2019 – 31/12/2020 – Povo, Italy

Research Assistant

Silvio Ranise

Developer at Security&Trust at FBK.

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

Paper presentation for ITASEC2020

Tool paper publication for ACM CODASPY 2021

https://itasec.it/ITASEC20/session-5-data-security-and-privacy-ii/

https://stfbk.github.io/news/2020/01/07/papers-accepted-at-itasec-2020/

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

Povo, Italy

01/09/2020 – 02/2021 – Trento, Italy

Tutor Programmation 1 lecture

University of Trento

Tutor in Programmation 1 (C based) course at University of Trento

26/11/2018 – 31/01/2019 – Povo, Italy

Developer

Silvio Ranise

Stage done at **Security&Trust** at **FBK**

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

Povo, Italy

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

Web developer

Dario Bertoluzza

Web development and graphic design on websites; also through **CMS** a nd **Joomla** at **OGP**

comunicazioni

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

Trento, Italy

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

Tutor Prom Camp project

Fbk - Prom Facility

Tutor durante le attività della seconda edizione del **Prom Camp** organizzato da **FBK al polo di meccatronica di Rovereto.**

https://magazine.fbk.eu/it/news/prom-camp-studenti-al-lavoro-sullindustry-4-0/?utm_content=bufferacf9c&utm_medium=social&utm_source=twitter.com&utm_campaign=buffer

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

Rovereto, Italy

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

Ravina, Italy

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

Tech camp - predictive maintenance

FBK junior - ProM facility

Chosen for a **camp that focused in 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 used: **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/

Rovereto, Italy

05/06/2017 – 07/07/2017

Stage - Java Developer

Gabriele Zacco

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

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

Povo, Italy

EDUCATION AND TRAINING

01/10/2020 – 30/09/2021 – Saarlandes, Germany

Bachelor's Degree Erasmus in Information Science

Universität des Saarlandes

Erasmus year at Universität des Saarlandes

01/09/2020 – CURRENT

School Of Innovation

University of Trento

12/09/2018 – CURRENT – Povo, Italy

Bachelor's Degree in Information Science

Università di Trento

Bachelor's degree in information science in University of Trento

11/09/2013 – 07/07/2018 – Rovereto, Italy

Diploma in computer science

Istituto Tecnico Tecnologico "G. Marconi"

Computer technician diploma.

97/100

LANGUAGE SKILLS

MOTHER TONGUE(S): Italian

OTHER LANGUAGE(S):

English

Listening	Reading	Spoken production	Spoken interaction	Writing
C1	C1	C1	C1	C1

German

Listening	Reading	Spoken production	Spoken interaction	Writing
B1	B1	B1	B1	B1

DRIVING LICENCE

Driving Licence: AM

Driving Licence: B

ORGANISATIONAL SKILLS

Competenze organizzative

- Good communication skills and team work acquired during theater projects, various group activities, association and team work at work and in school projects.

COMMUNICATION AND INTERPERSONAL SKILLS

Competenze comunicative e interpersonali.

- Good organizational, managerial and team work skills acquired through the organization of events and concerts.

- Also by attending university courses and working part-time I learned to make the best use of my time and to organize my activities.

COMPETENZE PROFESSIONALI

Competenze professionali

- Operating system used: Windows, MacOSX, Linux (command line too) and CISCO system