FRANCESCO INTOCI

Eclectic and curious CyberSecurity Master student. Joint degree at EPFL and ETH.

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🔗 Francesco Intoci   ⬡ intx4

PROGRAMMING

`Python` `Go` `C` `P4_16`
`SQL`

Familiarity with:

`Scala` `Java` `React` `Js`
`Node.js` `HTML` `CSS`
`Bash`

TOOLS

`BurpSuite` `Wireshark`
`Ghidra` `gdb`

TECHNOLOGIES

`Linux` `Git` `Spark` `Docker`
`Vagrant`

LANGUAGES

Italiano: **Native**

English: **Advanced / C1**

Spanish: **Basic / A2**

French: **Basic / A1**

PROFILE

*I am a very **determined and responsible** individual: **reliability, hard work and a strict sense of duty** are some of my key strengths.*
*I am aware of the importance of communication and interaction, being a **good fit for any team-working activity**.*
*I am a creative person, who does not despise **thinking out side of the box to deliver results**.*
*I am a very **pro-active** person: I am able to **learn new technologies fast**, and to deliver readable and efficient code in small time-frames.*
*I enjoy an **active lifestyle**: I love doing sport (I have been an **agonistic canoe polo player**) and travelling.*

EDUCATION

MSc – Cyber Security EPFL

📅 2020 – today   📍 Lausanne, CH

- Award: 2021-2022 **Excellence's Fellowship**
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- Association: CTF team polygl0ts – Spring Semester 2021
- Assistant Étudiants - Information Security and Privacy, Prof Jean-Pierre Hubaux - Fall Semester 2021
- Assistant Étudiants - Mobile Networks, Prof Jean-Pierre Hubaux - Spring Semester 2022

MSc – Cyber Security – Exchange Semester ETH

📅 Fall Semester 2021   📍 Zurich, CH

- Association: CyberGroup training for Geneve 9/12 challenge - Spring semester 2022

BSc Computer Engineering Politecnico di Torino

📅 2017 – 2020   📍 Turin, IT

- GPA: 110 / 110 cum laude
- Certification: CyberChallenge.IT 2020 (CTF training) – CINI
- Student assistant - Computer Science - Fall Semester 2019

Diploma Maturità Scientifica Liceo O.M Corbino

📅 2020   📍 Siracusa, IT

- GPA: 100 / 100

PROJECTS

Privacy-Preserving and Efficient Deep Neural Network Inference with Multiparty Homomorphic Encryption :
Semester project at EPFL LDS lab, Spring 2022 (Work in Progress) **IMovies CA:**
Implementation of a PKI infrastructure for a fictional company

13 Rexford:
Control Plane (Python) and Data Plane (P4_16) of Claranet Network. First prize award in ETH AdvNet course

ACME client:
ACME client for LetsEncrypt Pebble in Go

SecretStroll:
Implementation of ABC protocol, network metadata analysis and TOR fingreprinting attack of a Location Based System

SMC framework:
Secure Multiparty computation framework written in Python

ACM Sigmod 2021:
Solving ER tasks using PySpark ML pipeline

Discovering Higg's Boson:
Binary classification task using regression models on the ATLAS experiment dataset by CERN

Hippocrates:
Secure, decentralized file storage system written in Go