

Luca Ferrari

Software Engineering Student



Education

Master of Science in Software Security and Engineering

University of Genoa, Italy

09/2022 – present
Genova, Italia

Bachelor of Computer Science, University of Genoa, Italy

Dissertation: “Classification and Weaknesses of Captcha Systems”,
Grade: 99/110.

09/2019 – 07/2022
Genova, Italia

Projects

E-commerce using Flask, *E-commerce web application using Flask as backend* [↗](#)

Micro-bash, *Creating micro-bash using base function of library std* [↗](#)

Decision Tree vs KNN, *Comparison between DT and KNN* [↗](#)

Studying Network Robustness, *Study about the Robustness of the networks through python* [↗](#)

Christmas Lottery, *Smart Contract Implementing a Lottery* [↗](#)

MustVisit, *Android Mobile Application using ChatGPT API to discover the places to visit and Google Maps API to show in a Map.* [↗](#)

Professional Skills

Python	● ● ● ● ●	Javascript	● ● ● ● ●
PHP	● ● ● ● ●	C++	● ● ● ● ●
C	● ● ● ● ●	Java	● ● ● ● ●
Flask	● ● ● ● ●	Ansible	● ● ● ● ●
Docker	● ● ● ● ●	SvelteKit	● ● ● ● ●
React	● ● ● ● ●	SQL	● ● ● ● ●
Cypher	● ● ● ● ●	CQL	● ● ● ● ●
Vulnerability Assessment Mobile App Android	● ● ● ● ●	Vulnerability Assessment Mobile App iOS	● ● ● ● ●
VAPT Android app	● ● ● ● ●	VAPT iOS app	● ● ● ● ●

Soft Skills

Team Bulding	Problem solving
Adaptibility	Creativity
Work ethic	Dependability
Emphaty	Communication

Professional Experience

Mobile Security Trainee, Talos Security

09/2023 – 11/2023

What I have Learned:

Genova, Italy

- Static Analysis of Android and iOS application
- Dynamic Analysis of Android and iOS application
- Creation of Report Security Issues
- OWASP top 10 mobile
- Methodology MSTG

Vulnerability encountered:

- Lockout
- SSL pinning
- Repackaging

Tools Utilized:

- Android studio
- Jadx
- Frida
- apktool
- ZIPalign
- Ghidra
- mobFS
- GrapeFruit

Assistant Cook, Alla Lunga Ristorante

2021 – 2022

Genova, Italia

Plonger, Alla Lunga Ristorante

2020 – 2021

Genova, Italia

Courses

CyberChallege.it, *National Cyber Security Program*

Only 20 Students in all of Genoa were Selected to participate in this Training

Acquired knowledge :

- Web security :
 - OWASP top 10
 - Command Injection
 - SQL Injection
 - XSS
 - Server-Side Request Forgery
- Network Security (Wireshark)
- Binary analysis (Ghidra,pwntools)

Android Hacking 101, *TryHackMe*

Obtained familiarity:

- How to Decompile apk
- How to analyze apk
- How to modify apk
- How to do basic Static Analysis
- How to do basic Dynamic Analysis

Learning How To Learn, *Coursera*