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 usig base function of library std* ⧉

Decison Tree vs KNN, *Comparison between DT and KNN* ⧉

Studying Network Robustness, *Study about the Robustenss of the networks through python* ⧉

Chrystmas 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

Skill	Level	Skill	Level
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, Genova, Italy

What I have Learned:
- 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 Ulitilzed:
- 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*