



Marco Bertoni

● **WORK EXPERIENCE**

02/2021 – 09/2022 – Italy

ICT NETWORK ENGINEER – LABORATORI GUGLIELMO MARCONI

- NOC operator
- Planning and execution of various networking and SysAdmin projects

10/2018 – 09/2019 – Italy

DEVELOPER - JAVA/TOMCAT – K5 SPA

- Lone programmer with the task of maintaining and extending the software solution
- Simple Java Tomcat, MySQL and Android client stack
- I was not provided with the source code for the project so I had to reverse engineer it

Address Valsamoggia, Italy

06/2018 – 09/2018 – Italy

IT COLLABORATOR – TECNOFORM

- Worked alongside the IT Manager in day to day activities
- Created various SH scripts for automation
- Maintained the Classic ASP intranet web applications

Address Valsamoggia, Italy

10/2017 – 11/2017 – Slovenia

ELECTRONICS MANUFACTURING – SMARTTRONIKS

- MOVING GENERATION 2020 ERASMUS+ PROGRAM
- Assembly and soldering of electronic boards for further processing

Address Maribor, Slovenia

03/2017 – 04/2017 – Italy

INTERNSHIP - TECHNICAL OFFICE – DATALOGIC

- FIT (failure in time) testing during design process of electronic sensors
- Evaluation of components suggested by the purchasing department

Address Monte San Pietro, Italy

● EDUCATION AND TRAINING

2022 - CURRENT - Bologna

COMPUTER SCIENCE MSC - Università di Bologna

Address Bologna

2018 - 2021 - Bologna, Italy

COMPUTER ENGINEERING BSC - Università di Bologna

Address Bologna, Italy | **Level in EQF** EQF level 6

2018 - Bologna, Italy

ELECTRONICS TRADE SCHOOL - IIS O. Belluzzi

Address Bologna, Italy | **Level in EQF** EQF level 4

● LANGUAGE SKILLS

Mother tongue(s): **ITALIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C1	C1	C1	C1	C1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

● JOB-RELATED SKILLS

Job-related skills

- **Java, Python3, BASH:** Proficient
- **C, Scheme, SQL:** Independent

● PRESENTATIONS

Presentations

I have rudimentary skills in electronics and microcontrollers programming developed during the attainment of my technical school degree.

I strongly believe in balancing theoretical knowledge with real life uses. Over the years I developed various personal projects to apply what I learned:

- Simple home automation project using arduino and amazon text-to-speech API
- Automatic university lessons recording on cloud using terraform, ansible and puppeteer
- Linux slackware package manager written in the C programming language
- Various web applications for personal usage

My major interests right now are:

Cybersecurity (I often participate to competitions with the UniBo cybsec research team), functional programming (I'm waiting for an interesting project to apply my LISP skills) and linux kernel structure and implementation.

● **EXTRACURRICULAR ACTIVITIES**

03/2020 - 10/2020

Cyberchallenge

- Cybersecurity focused lessons
- Weekly exercises
- At the end of the course 5 participants were chosen to represent UniBo at the national competition
- Me and the other 4 participants reached 5th place in the national competition

22/11/2019 - 23/11/2019

OPEN BANKING INNOVATION - CRIF HACKATHON

- Innovative projects using PSD2 protocol
- Used AWS products with help of tutors

04/2018 - 12/2018

WINNER OF TECNOPIA AWARD 2018

- Contest organized by the Homo Ex Machina Organization to raise awareness on contemporary techno-ethical dilemmas.
- As the winning team, we had the opportunity to meet and talk with top managers and entrepreneurs in Rome and London.

06/2016 - 12/2017

GIARDINO DELLE IMPRESE

- Informal school of entrepreneurial culture
- Hosted by Fondazione Golinelli
- We had the opportunity to attend lessons on the subject and create a startup after a first round of investments.

04/10/2023