



Matteo Bonacini

Nationality: Italian

● EDUCATION AND TRAINING

21/09/2020 – 01/12/2023 Bologna, Italy

BACHELOR'S DEGREE IN PHYSICS Università di Bologna

Corsi opzionali:

72566 - Introduction to Quantum Optics

81851 - Introduzione alla Fisica dei Sistemi Complessi

Address Via Zamboni 33, 40126, Bologna, Italy | **Website** www.unibo.it | **Field of study** Fisica | **Final grade** 110 |

Level in EQF EQF level 6 | **Type of credits** ECTS | **Number of credits** 180 |

Thesis Applicazione della Teoria del Controllo: il pendolo invertito su rotaia

01/12/2023 – CURRENT Bologna, Italy

MASTER'S DEGREE IN APPLIED PHYSICS Università di Bologna

Website www.unibo.it | **Field of study** Physics | **Level in EQF** EQF level 7

● WORK EXPERIENCE

2022 – CURRENT Reggio Emilia, Italy

DRONE OPERATOR FOR AERIAL SHOOTING VARIOUS

Fidelio SRL (2022):

I took aerial shots of landscapes and moving vehicles.

The images will be used in the documentary "aemilia", produced by RAI.

Paolo Toracca (2024):

I took aerial shots of a sailboat in motion. The images will be used for a commercial for NTS-ITALY.

19/06/2018 – 24/03/2020 Reggio Emilia, Italy

WEB DEVELOPER SOLUZIONI FUTURA

I participated in the development of APIs for web applications. Mainly, I worked with the following technologies:

- Node.js
- Servizi Amazon AWS
- Docker

I developed smart contracts on the Ethereum network.

I interacted with clients to define the details of a project; I presented mock-ups of projects to clients before starting the development phase.

Throughout my work experience I developed projects together with other people, both internal to the company and external. I used git to coordinate my work with that of my colleagues.

08/04/2019 – 12/04/2019 Meyrin, France

INTERNSHIP AT CERN IT DEPARTMENT CERN

For the Alternanza Scuola-Lavoro project, I spent a week in close contact with some researchers working at CERN. In particular, I saw how work is carried out inside the offices of computer centers and in experiments.

08/07/2018 – 19/07/2018 Reggio Emilia, Italy

SOFTWARE DEVELOPER BOGGI SRL

I did an internship here for the Alternanza Scuola-Lavoro project. During my internship:

- I developed software to manage warehouse inventory via a database in Microsoft Access.
- I developed macros on Microsoft Excel to automate accounting operations

2015 – 2018 Reggio Emilia province, Italy

TUTOR FOR#EUCODEWEEK LICEO SCIENTIFICO ARIOSTO SPALLANZANI

Together with my colleagues, I held lessons for children and teenagers between the first year of primary school and the last year of middle school. These lessons contributed to the #EUCodeWeek project, in which my school participated. For younger children the lessons focused on the basics of Scratch; for the older kids, however, we taught the basics of Python and programming.

● COMMUNICATION AND INTERPERSONAL SKILLS

Ability to relate to customers

During my work experience, I worked closely with clients. I interacted with customers, starting from the initial presentation phase of a project and throughout the whole development process. I also have the ability to present a project in front of an audience of people; whether it is a project already completed or a possible idea for a future project (often through the creation of mock-ups).

● LANGUAGE SKILLS

Mother tongue(s): **ITALIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C2	C2	C2	C1	C1

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

● DIGITAL SKILLS

Windows | Google | Padronanza del Pacchetto Office (Word Excel PowerPoint ecc) | Linux

● HONOURS AND AWARDS

30/06/2022

I completed the CyberChallenge training course, qualifying in first place in the local competition. – Consorzio CINI

I completed the CyberChallenge training course by qualifying in first place in the local competition and competed in the national competition with the Bologna team. This path made me learn the basics of cybersecurity: I know the main vulnerabilities encountered in some IT sectors, I know how to identify them and resolve them. For info: <https://cyberchallenge.it/>

09/2023

I presented my Bachelor's thesis project at the Notte dei Ricercatori event in Rimini

I participated in the Notte dei Ricercatori ("researcher's night") event with the Physics of Complex Systems group from the University of Bologna. We presented my thesis project to an audience of people with different levels of education and different ages.