



Giacomo Bernardelli

Date of birth: 22/03/1999 | **Nationality:** Italian | **Sex:** Male | **Phone:**

(+39) 3333344166 (Mobile) | **Email:** bernardelli.giacomo99@gmail.com |

Address: Via Giotto, 18, 46010, Curtatone (MN), Italy (Residence Address) |

Address: Via Enrico Martinelli, 40, 41122, Modena, Italy (Domicile Address)

ABOUT MYSELF

I'm a guy who is always looking for new challenges and opportunities for growth. My calm attitude allows me to work effectively in a team and to handle even complex situations that may arise.

WORK EXPERIENCE

 **UNIVERSITY OF MODENA AND REGGIO EMILIA** – MODENA, ITALY

PHD STUDENT IN MATERIALS ENGINEERING – 01/11/2024 – CURRENT

Research Focus:

- Developed alternative vapor deposition coatings for replacement of hard chrome in internal diameter of mechanical components
- Characterization of coatings in terms of morphology, chemical composition, mechanical properties, and corrosion resistance

Completed Hard Skills Courses:

- Advanced Material Characterization by X-ray Powder Diffraction and Transmission Electron Microscopy (UNIMORE)
- Electrochemical Power Sources (UNIMORE)
- Surface Engineering: Case Studies in Advanced Applications (UNIMORE)
- X-ray Tomography (UNIMORE)
- Metallography Course (AIM)
- Chemical Analysis Course (AIM)
- Materials for Nuclear Applications: Challenges and Opportunities (AIM)

 **NOVELLINI INDUSTRIES SRL** – BORGO VIRGILIO (MN), ITALY

Address 46034, Borgo Virgilio (MN), Italy

QUALITY AND PROCESS CONTROL – 06/11/2023 – 10/10/2024

Key Responsibilities:

- Performed quality control of extruded raw aluminum, including dimensional checks and surface inspection
- Monitored the extrusion process, addressing production issues and implementing improvement actions
- Conducted incoming quality inspections of anodized aluminum
- Managed non-conformities from external clients, ensuring timely resolution
- Oversaw internal non-conformities between departments to maintain process consistency

 **ANDREOLI & C SRL** – MARANELLO (MO), ITALY

UNIVERSITY INTERSHIP – 27/02/2023 – 11/08/2023

University Internship for Thesis on Laser Fiber Welding Parameterization of Various Metallic Materials

Activities performed:

- Laser welding
- TIG welding

- Quality control
- Destructive and non-destructive testing

● **EDUCATION AND TRAINING**

2021 – 19/10/2023 Modena, Italy
MASTER’S DEGREE IN MATERIALS ENGINEERING University of Modena and Reggio Emilia

Address Via Pietro Vivarelli, 10, Modena, Italy | **Final grade** 103/110 |
Thesis Parametrizzazione saldatura laser fibra di materiali metallici

2018 – 02/12/2021 Modena, Italy
BACHELOR’S DEGREE IN MECHANICAL ENGINEERING University of Modena and Reggio Emilia

Address Via Pietro Vivarelli, 10, Modena, Italy | **Final grade** 93/110

2013 – 2018 Mantova, Italy
TECHNICAL INSTITUTE DIPLOMA Istituto superiore Enrico Fermi

Address Strada Spolverina, 5, Mantova, Italy | **Final grade** 95/100

● **CERTIFICATIONS**

Ordine ingegneri della provincia di Mantova, 25/01/2024
Member of the Order of Engineers

Passed the State Exam for Professional Engineering License
Registered with the Order of Engineers of the Province of Mantova, No. 1848

● **LANGUAGE SKILLS**

Mother tongue(s): **ITALIAN**
Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C1	C1	B1	B1	B2

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

I authorize the processing of personal data included in this CV in accordance with Legislative Decree 196/2003, as amended by Legislative Decree 101/2018, and the GDPR (EU Regulation 2016/679)

Mantova , 16/10/2025



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