



Thomas Oliva

Nationality: Italian **Date of birth:** 07/06/2000 **Phone number:** (+39) 3666156453

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Home: Via Marche 11, 61030 Cartoceto (PU) (Italy)

EDUCATION AND TRAINING

Ph.D. in Mechanics and Advanced Engineering Sciences

Alma Mater Studiorum - University of Bologna [11/2025 - Current]

City: Bologna | Country: Italy | Website: <https://phd.unibo.it/dimsai/en>

Master's Degree in Energy Engineering

Alma Mater Studiorum - University of Bologna [2023 - 2025]

City: Bologna | Country: Italy | Website: <https://corsi.unibo.it/magistrale/IngegneriaEnergetica> | Field(s) of study: curriculum Industrial Energy | Thesis: CIRCE-THETIS Experimental Campaign: Prototypical Main Coolant Pump and Helical Coil Steam Generator Characterization

Bachelor's Degree in Energy Engineering

Alma Mater Studiorum - University of Bologna [2019 - 2023]

City: Bologna | Country: Italy | Website: <https://corsi.unibo.it/laurea/IngegneriaEnergetica> | Field(s) of study: curriculum Traditional and Renewable Energy Sources | Thesis: Optimisation and performance analysis of a cold plasma source RDBD for decontamination of bioaerosols

High school leaving qualification in Chemistry

ITIS "E. Mattei" - Istituto Tecnico Industriale Statale di Urbino [2014 - 2019]

City: Urbino | Country: Italy | Website: <https://www.itisurbino.edu.it/> | Field(s) of study: Chemistry, Materials and Biotechnology

WORK EXPERIENCE

newcleo S.p.A – Brasimone, Italy

City: Brasimone | Country: Italy

Internship

[03/2025 - 07/2025]

Integral Effects Testing of a Helical Coil Steam Generator and Pump in Advanced Reactor Systems using the CIRCE facility

Department of Industrial Engineering - University of Bologna – Bologna, Italy

City: Bologna | Country: Italy

Internship

[09/2022 - 02/2023]

- Analysis of the antimicrobial effect, electrical and chemical characterization of a Rotating Dielectric Barrier Discharge plasma source.
- Design and manufacture by CAD (Solid Edge) of active carbon filter holders to be implemented in the plasma source.

 **SUPERMERCATO RE MERCATO LUCREZIA** – Cartoceto, Italy

City: Cartoceto | Country: Italy

Sales assistant

[07/2017 – 08/2017]

- Sales Person

VOLUNTEERING

[05/2023 – 06/2023] Haut-Clocher, France

Workaway

[10/2018 – Current]

Registered blood donor (AVIS)

LANGUAGE SKILLS

Mother tongue(s): Italian

Other language(s):

English

LISTENING B2 **READING** B2 **WRITING** B2

SPOKEN PRODUCTION B2 **SPOKEN INTERACTION** B2

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

SKILLS

Windows / Word, Excel, PowerPoint / Basic knowledge MATLAB / Basic knowledge CAD SolidEdge / Basic knowledge Python

I authorize the processing of my personal data in the CV pursuant to art. 13 d. lgs. 30 June 2003 n. 196 - "Code on the protection of personal data" and art. 13 GDPR 679/16 - "European Regulation on the protection of personal data".

Bologna, 16/11/2025