



Cosimo Ricci

Nationality: Italian **Date of birth:** 27/11/1998 **Gender:** Male

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☐ **Home:** Via A.Grandi,46, 50066 Reggello (Italy)

EDUCATION AND TRAINING

Bachelor's Degree in Management Engineering

University of Florence [01/09/2017 – 15/12/2020]

City: Florence | **Country:** Italy | **Final grade:** 104/110 | **Level in EQF:** EQF level 6 | **Thesis:** Hybrid Manufacturing: analysis of state of the art and decision-making models

Master's Degree in Materials Engineering

University of Modena and Reggio Emilia [01/09/2020 – 05/12/2023]

City: Modena | **Country:** Italy | **Field(s) of study:** Engineering, manufacturing and construction | **Final grade:** 107/110 | **Level in EQF:** EQF level 7 | **Thesis:** Multilayer YSZ TBC: influence of microstructure and powder chemistry on thermal fatigue and CMAS corrosion resistance

PhD Course in Civil, Environmental and Materials Engineering

University of Modena and Reggio Emilia [01/11/2024 - Current]

City: Modena | **Country:** Italy | **Field(s) of study:** Materials Engineering | **Level in EQF:** EQF level 7 | **Research Topics:** Thermal spray coatings for hard chrome replacement on aerospace components

WORK EXPERIENCE

Master Thesis Traineeship

Lincotek Surface Solution [05/09/2022 – 31/01/2023]

City: Rubbiano | **Country:** Italy

FEA Structural Engineer

Maestrelli Luciano Engineering [2023 – 2024]

City: Florence | **Country:** Italy

- Developed 3D models and performed FEA simulations
- Planned and managed simulation projects
- Validated models with experimental data
- Ensured compliance with industrial standards

PhD Materials Engineering

University of Modena and Reggio Emilia [01/11/2024 - Current]

City: Modena | **Country:** Italy

- Microstructural analysis of powders and coatings; X-ray diffraction.
- Analysis of the mechanical properties of coatings through microindentation, nanoindentation, and scratch tests.
- Analysis of the wear behavior of surfaces and coatings through pin-on-disk and abrasion tests.
- Analysis of the corrosion resistance of surfaces and coatings through polarization tests and accelerated Corrodokote tests.

LANGUAGE SKILLS

Mother tongue(s): Italian

Other language(s):

English

LISTENING C1 **READING** C1 **WRITING** B2

SPOKEN PRODUCTION B2 **SPOKEN INTERACTION** B2

French

LISTENING B2 **READING** B2 **WRITING** B1

SPOKEN PRODUCTION B1 **SPOKEN INTERACTION** B1

Russian

LISTENING A1 **READING** A1 **WRITING** A1

SPOKEN PRODUCTION A1 **SPOKEN INTERACTION** A1

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

DIGITAL SKILLS

MS Office (Word, Excel-VBA, Power Point) / Engineering simulation (ANSYS) / Autocad and Solidworks / Materialize Magics

DRIVING LICENCE

Driving Licence: B

