



Jacopo Di Cave

Date of birth: 01/02/1994

Nationality: Italian

Gender: Male

CONTACT

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WORK EXPERIENCE

01/09/2021 – CURRENT – Rome, Italy

Mechanical engineer (internship)

The National Research Council of Italy, Institute of Marine Engineering

Ship vibration analysis using the Finite Element Method for the Project TRIM ("*Education and training program for research and development experts in marine and maritime industries*").

01/12/2020 – 31/05/2021 – Albano Laziale, Italy

Mechanical engineer (internship)

Tecnologie Meccaniche spa

3D Modeling and 2D drafting of mechanical components using Solidworks, part list redaction of assemblies.

13/11/2019 – 20/07/2020 – Port Marghera , Italy

Mechanical engineer (internship)

Saipem spa

Engineering Design and 3D modeling using Inventor Autodesk. Analysis for the structural verification against plastic and buckling collapse of components for subsea applications using the Finite Element Method. Technical report writing.

EDUCATION AND TRAINING

01/01/2022 – CURRENT – Roma, Italy

PhD in Aeronautics and Space Engineering

La Sapienza Università di Roma

Development of a platform for the design, management and monitoring of wind power plants.

Field(s) of study

- Engineering, manufacturing and construction

https://phd.uniroma1.it/web/PHD-STUDENTS-AERONAUTICS-AND-SPACE-ENGINEERING_ni3556_EN.aspx

01/12/2020 – 23/12/2021 – Italy

Auditor for the Project TRIM ("*Education and training program for research and development experts in marine and maritime industries*")

The National Research Council of Italy, Institute of Marine Engineering

Admitted with scholarship (unused because of another work activity).

Field of study: Lightweight structures and new materials.

Education activities provided by university teachers, researchers, and/or experts in the sector (480 + 180 hours).

Training internships at companies/organizations of the sector (540 hours).

Field(s) of study

- Engineering, manufacturing and construction

25/09/2020 – Roma, Italy

State exam for section A and Industrial Engineering Sector

Università degli Studi Roma III

10/10/2016 – 20/03/2019 – Roma, Italy

Master's degree in Mechanical Engineering(DM 270) LM-33

Università degli Studi Roma III

Relevant coursework: Manufacturing and materials technology for mechanics, Combustion engines and thermodynamics, Basics of mechanical vibrations and design, Electric actuators, Electrical Energetic.

Projects: CAD modeling, CAM machine simulations, MATLAB programming.

110/110 | Characterization of superhydrophobic materials

01/10/2012 – 27/07/2016 – Roma, Italy

Bachelor's degree in Mechanical Engineering (DM 270)

Università degli Studi Roma III

Nanofiltration of water: state of art and perspectives

LANGUAGE SKILLS

MOTHER TONGUE(S): Italian

OTHER LANGUAGE(S):

English

Listening
C1

Reading
C1

**Spoken
production**
C1

**Spoken
interaction**
C1

Writing
C1

Spanish

Listening
B1

Reading
B1

**Spoken
production**
B1

**Spoken
interaction**
B1

Writing
B1

DIGITAL SKILLS

Dassault SolidWorks / Autodesk Inventor / Ansys Mechanical /
Conoscenza base di MATLAB / Conoscenza di base di C++ / Pacchetto
Office (Word Excel, Power Point) / CATIA V5