

## Personal Information

**Name:** Gabriele Antonino Portaro

**Nationality:** Italian

**Date of birth:** 6 July 2001

**Gender:** Male

**Address:** Messina, Italy

**Telephone:** +39 327 7123500

## Work Experience

### Academic Advisor

*University of Messina – Department of Engineering*

September 2024 – June 2025

University tutoring activities in scientific subjects, including: Chemistry, Chemistry for Bioengineering, Electrical Engineering, Physics.

Total tutoring activity: 160 hours.

In addition, scientific tutoring within the university project “*compiti@scuola*” for middle school students (30 hours).

### Design Assistant

*Municipality of Messina – Engineering and Design Sector*

May 2022 – August 2022. Activities focused on:

- Assistance in the design of renewable energy systems
- Support to technical staff in energy-related engineering projects

## Education and Training

### PhD in Industrial Engineering

*University of Messina*

2025 – 2028

EQF Level 8

Doctoral program carried out in collaboration with **INAIL (Italian National Institute for Insurance against Accidents at Work)**, focusing on industrial safety, risk assessment, and prevention in complex energy systems.

### Master of Science in Management Engineering

*University of Messina*

2023 – 2025

Final grade: 110/110 cum laude

EQF Level 7

**Master's Thesis:**

*Classification and prediction models of hydrogen embrittlement for risk management in energy transition scenarios*

**Bachelor of Science in Management Engineering**

*University of Messina*

2020 – 2023

Final grade: 110/110 cum laude

EQF Level 6

**Bachelor's Thesis:**

*Management of natural and technological risks generated by climate change*

**Other Postgraduate Education and Training****Summer School – Advanced Machine Learning and Explainable AI**

*University of Messina – School of Excellence*

July 2024 (5 days)

Intensive training program focused on:

- Advanced machine learning techniques
- Explainable Artificial Intelligence (XAI)
- Model transparency and interpretability
- Practical case studies and applied examples

**Student Research Grant**

*University of Messina*

2023 – 2024 (3 months)

Research activities in the field of **industrial safety**, including:

- Data acquisition and processing
- Risk assessment methodologies
- Use of the RESMOD model for safety analysis

**Language Skills**

**Mother tongue:** Italian

**Other languages:**

- **English:** B2 (listening, reading, writing, spoken interaction and production)
- **French:** A2 (basic user)

**Academic Experience Abroad****Erasmus Traineeship for master's thesis**

Trondheim, Norway

Duration: 3 months

Working language: English

**Erasmus Programme**

Paris, France

Duration: 4 months

Working language: English

**Personal Skills****Communication skills**

Developed through international academic experiences (Erasmus programmes), interaction with students and researchers from different cultural backgrounds, and active participation in university projects and seminars.

**Organisational and managerial skills**

Strengthened through: Role as student representative, Coordination of group projects, Leadership responsibilities within a university cultural association.

**Job-related skills**

Experience in: Risk assessment and industrial safety, Renewable energy systems design, Engineering support activities in public institutions

**Digital Competences**

Office automation tools (Word, Excel, presentation software), Data modelling and analysis tools, Online collaboration and videoconferencing platforms