



LUIGI FALCONE

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Copenhagen, Denmark

PROFESSIONAL PROFILE

As a recent graduate with a Master in Sustainable Energy Technologies focused on wind energy from the University of Milan, I am passionate about advancing renewable energy solutions. From my educational experience I have developed strong competencies in energy systems analysis, design and optimization, and wind turbine technology. I am committed to contributing to innovative engineering projects that promote sustainability and environmental stewardship.

IT-COMPETENCES

MATLAB	████████████████████
Simulink	██████████████████
AutoCAD	██████████████████
Python	██████████████████
WindPRO	██████████████████

LANGUAGES

Italian	Native
English	Fluent
Danish	Intermediate

PERSONAL PROFILE

I am an enthusiastic and dedicated individual who enjoys surfing and spending time with friends and family. My passion for movies allows me to unwind and stay creative. I am also learning Danish to better integrate into the local culture, motivated by my Danish girlfriend and our life together in Denmark.

OTHERS ABOUT ME

"Luigi Falcone consistently demonstrated exceptional analytical skills and a strong commitment to sustainability throughout his Master's program. His innovative approach to energy systems optimization and his ability to effectively collaborate with peers made him a standout student. Luigi's thesis on power system balancing with large-scale wind power was particularly impressive, showcasing his deep understanding of the subject and his potential to contribute significantly to the field of sustainable energy."

— Professor Maria Rossi, University of Milan

CORE COMPETENCES

- Innovation in Engineering
- Energy and Sustainability
- Energy Systems: Analysis, Design, and Optimization
- Power System Balancing with Large Scale Wind Power
- Wind Turbine Technology and Aerodynamics

EDUCATION

MA Sustainable Energy Technologies 2022 - 2024
University of Milan

During my Master's program, I specialized in sustainable energy technologies with a focus on wind energy. The coursework covered a range of topics including energy systems analysis, design and optimization, and wind turbine technology. My projects often involved collaboration with peers to develop innovative solutions for power system balancing and the integration of large-scale wind power. I also engaged in independent research, enhancing my skills in data analysis and technical problem-solving.

- Completed a thesis on "Optimization of Power System Balancing with Large-Scale Wind Power."
- Developed a comprehensive simulation model for wind turbine aerodynamics using MATLAB and Simulink.
- Participated in an industry-sponsored project to design a sustainable energy system for a local community.

Bachelor of Engineering 2019 - 2022
University of Milan

- Final project on "Design and Optimization of a Small-Scale Wind Turbine for Urban Areas," which received high accolades from faculty.
- Conducted an energy audit for a university building, proposing measures that improved energy efficiency by 15%.
- Led a team project to develop a prototype for a solar-powered water heating system.