



Profile

Graduated with a Bachelor's Degree in Energy Engineering — Junior Engineer from the University of Pisa (2024). Motivated and results-oriented professional with a solid background in both traditional energy sectors (Oil & Gas, nuclear) and innovative sustainable technologies (renewables, energy efficiency). Skilled at handling complex problems, integrating multidisciplinary knowledge, and delivering practical, innovative solutions. Open to opportunities in R&D, consultancy, and project management within dynamic, international environments.

Languages

Italian:

- *Native*

English:

- *B2 (CLI)*

Chinese:

- *Basic knowledge*

Spagnolo:

- *Basic knowledge*

Education

Bachelor's Degree in **Energy Engineering — University of Pisa · 2024**

Main subjects: *Energy Systems, Renewable Energy, Thermodynamics, Energy Plants, Oil & Gas Engineering.*

Academic Projects

- **Developed** group projects on *Integrated Energy Systems in Buildings* and *Hybrid Conversion of a Naval Diesel Engine with Shore-Based Photovoltaic Charging.*
- **Collaborated** with the University of Siena on research to improve air quality by reducing CO₂ and particulate emissions from internal combustion engines (awarded 2nd place).
- **Researched and analyzed** innovative solutions for sustainable energy in the Bachelor's thesis.

Technical Skills

- Design and analysis of energy systems.
- Environmental impact assessment.
- Design, optimisation and management for renewables (solar, wind, hydropower, biomass and geothermal).
- Energy system modelling.
- Design optimisation with multiple/conflicting objectives.
- Data analysis and graphical representation.
- Uncertainty and sensitivity assessment.
- Nuclear plant management and safety.

Software Skills

- MATLAB.
- AutoCAD.
- Excel, Word, PowerPoint.

Soft Skills

- Effective communication in English.
- Teamwork and collaboration.
- Stakeholder communication and requirement interpretation.
- Technical report writing.
- Project presentation and defence.