



Irene Giuliani

Date of birth: 09/10/1998 | **Nationality:** Italian | **Gender:** Female | **Email address:**

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ABOUT ME

M.Sc. in Energy Engineering | B.Sc. in Mechanical Engineering | University of Florence

After developing my master's thesis in the field of wind turbine design, I became deeply interested in this topic. In recent months, I have been working as a postgraduate researcher in the Department of Industrial Engineering at the University of Florence, where my research focuses on the aero-hydro-servo-elastic development of highly flexible floating offshore wind turbines. I am currently enrolled in the PhD program at the Department of Industrial Engineering at the University of Florence.

WORK EXPERIENCE

 **DEPARTMENT OF INDUSTRIAL ENGINEERING, UNIVERSITY OF FLORENCE – FLORENCE, ITALY**

POSTGRADUATED RESEARCHER – 10/10/2024 – 31/10/2025

Aero-hydro-servo-elastic development of highly flexible floating offshore wind turbines

EDUCATION AND TRAINING

20/09/2021 – 30/09/2024 Firenze, Italy

ENERGY ENGINEERING MASTER DEGREE Università degli Studi di Firenze

Website <https://www.ingegneria.unifi.it/> | **Field of study** Engineering, manufacturing and construction |

Final grade 110, Cum Laude | **Thesis** Preliminary design of an offshore wind turbine for Mediterranean sea

20/09/2017 – 09/06/2021 Firenze, Italy

MECHANICAL ENGINEERING BACHELOR'S DEGREE Università degli Studi di Firenze

Website <https://www.ingegneria.unifi.it/> | **Field of study** Engineering, manufacturing and construction | **Final grade** 103/110 |

Thesis Study of fire protection systems in aircrafts engines

15/09/2012 – 10/06/2017 Borgo San Lorenzo, Firenze, Italy

HIGH SCHOOL DIPLOMA Liceo Scientifico Scienze Applicate Giotto Ulivi

Website <https://www.giottoulivi.edu.it>

LANGUAGE SKILLS

Mother tongue(s): **ITALIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	B2	C1	B1	B1	B1

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

SKILLS

Microsoft Office | Matlab | Python | C++ | Ansys Fluent | LaTeX | SolidWorks | OpenFAST | Qblade (basics)