Leonardo Pagamonci

Date of birth: 22/06/1994 | **Nationality:** Italian | **Gender:** Male |

(+39) 3347269689 | l.pagamonci@gmail.com | leonardo.pagamonci@unifi.it |

https://www.linkedin.com/in/leonardo-pagamonci-a6a2b7141/ |

Skype: live:l.pagamonci | Via Pio Rajna 31, 50135, Firenze, Italy

About me:
Energy Engineer actually operating in wind energy environment and with previous experience in HVAC sector

WORK EXPERIENCE

01/11/2021 – CURRENT – Florence, Italy
PHD STUDENT – UNIVERSITÀ DEGLI STUDI DI FIRENZE

Winner of a PhD scholarship on energy themes.
Title of the project:"Development of an advanced Actuator Line Model for the next generation of horizontal axis wind turbines"

07/09/2020 – 23/11/2021 – Florence, Italy
HVAC ENGINEER – SANI INGEGNERIA

Training and apprenticeship inside the engineering firm, in order to acquire skills in the following tasks:

- Design of HVAC systems
- Calculation and choice of the best insulation solutions for civil buildings
- MEP, BIM and CAD modeling
- Energy performance analysis for civil buildings

01/10/2019 – 31/01/2020 – Florence, Italy
INTERNSHIP – DIPARTIMENTO DI INGEGNERIA INDUSTRIALE

Numerical internship designed to take knowledge of the fluid dynamics analysis packages of the ANSYS family, with specific training on the use of the programming language C.:
- Familiarity in the use of the most advanced functions of the Ansys Fluent platform (UDF, meshing, postprocessing)
- Confidence in C programming, especially for writing functions that can be inserted in the commercial software indicated
- Confidence in the use of the programs in the Microsoft Office's suite
- Teamwork with other members of the group
- Time management

EDUCATION AND TRAINING

09/2017 – 06/2020 – Via S. Marta, 3, Florence, Italy
MASTER DEGREE IN ENERGY ENGINEERING – Università degli Studi di Firenze

The MSc Thesis focused on the development of a hybrid simulation tool for vertical axis wind turbines: during this work the CFD environment of ANSYS® FLUENT® was combined with a dedicated User Defined Function (UDF) to include the Actuator Line Theory.
Programming phases in C language alternated with numerical simulations in order to test the potential of the tool, both in terms of accuracy and computational cost.
Field(s) of study
- Engineering, manufacturing and construction : *Electricity and energy*

Thesis: Development of an Actuator Line code for the simulation of vertical axis wind turbines

110/110 cum Laude | https://www.unifi.it/

09/2013 – 04/2017 – Via S. Marta, 3, Florence, Italy
BACHELOR DEGREE IN MECHANICAL ENGINEERING – Università degli Studi di Firenze

102/110 | https://www.unifi.it/

LANGUAGE SKILLS

Mother tongue(s): **ITALIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	B2	B2	B2	B2	B2
SPANISH	A2	A2	A2	A2	A2

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

DIGITAL SKILLS

Microsoft Word | Microsoft Excel | Microsoft Powerpoint | Google Drive | Zoom | Skype | Microsoft Office | LinkedIn | Google Docs | Inkscape | ANSYS Fluent Fluent Meshing | Microsoft Visual Studio | Matlab | SolidWorks | Operating systems Unix Windows10 and macOS

QUALIFICATION

22/09/2020 – CURRENT
Qualification to the profession of engineer