Adriano Pozzessere

Mechanical Engineer

Details

Rome, Italy

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+39 3347137777

Link

Software skills

- Microsoft Office
- Google Suite
- ANSYS (Fluent)
- ANSYS (Mechanical APDL)
- MATLAB/Simulink
- Python Basics

Languages

Italian: Native

English: Work Level

Soft Skills

- Adaptability
- Analysis
- Coordination
- Cooperation and Teamwork
- Innovation and Testing
- Logical Thinking
- Problem solving

Education

01/2019 - 01/2022:

Master's degree in mechanical engineering
University of Rome "La Sapienza"

Final Grade: 110/110 with Honours

Thesis: Design and Modelling of a hydrogen smart-grid serving a renewable energy comunity in a MATLAB/Simulink enviroment.

Acquired professional skills: The course mainly focused on the energy sector, with various knowledge related to many other sectors such as Electronics, Informatics, Control Systems,Mechanics. This made it possible to acquire a great level of interdisciplinary knowledge and experience.

09/2015 - 12/2018:

Bachelor's degree in mechanical engineering
University of Rome "La Sapienza"

Final Grade: 100/110

Thesis: Forced convection in bank of pipes.

Acquired professional skills: Basic training course in which the necessary knowledge for the correct scientific and design approach has been acquired. The course focused on providing the scientific and design background necessary for further engineering studies.

Working Experience

05/2022 - 11/2022:

Junior Engineer
Company: LCF Alliance

Position held/Work performed: The main focus of the company is the investment in the Solar Powe Plants business, and I contributed as a member of the asset management team. My role was of support and covered multiple duties, from data analysis to relations with the O&M contractors.

11/2022 - Today:

PHD Student in Energy and Enviroment
University of Rome "La Sapienza"

Work performed: Study focus on the simulation and optimization of hybrid storage systems combined with renewable energy sources.

Other Experience

09/2019 - 01/2020:

Design of an aeronautical axial compressor with internal cooling
University of Rome "La Sapienza"

Description of the project: Creation of a MATLAB script in order to model and design an aereonautical axial compressor with internal cooling. Alongside that, the different cooling configurations were tested and studied

Position held/Work performed: In a working group made up of four colleagues, the main part of the work i did was creating the core of the MATLAB script used for the design as well as implementing the logic to parameterize the cooling configurations.