

Pietro Gazzi

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My portfolio

Professional Summary

Dynamic Aerospace Engineer with extensive experience in data analytics, numerical modeling, and risk management. Proven track record in research and industry, with a strong focus on leveraging data to drive decision-making and optimize performance. Fluent in multiple programming languages and experienced in using advanced analytics tools. Please visit my portfolio at pietrowei.github.io/Portfolio to see my projects and accomplishments in more detail.

Work Experience

Repair Engineer

March 2024 – Present

Leonardo Helicopters

Milan, Italy

- Analyzed and repaired structural components using data-driven methodologies
- Developed and implemented predictive maintenance models to optimize repair schedules
- Utilized statistical analysis and machine learning techniques to identify failure patterns
- Collaborated with cross-functional teams to improve data collection and reporting processes

Research Engineer

February 2023 – March 2024

Institut Polytechnique de Paris

Paris, France

- Experimental and numerical analysis of crack propagation in 3D printed Polycarbonate
- Additive manufacturing of optimized specimens
- Numerical assessment of fracture behaviour

Structural Analyst

May 2022 – January 2023

Thales Alenia Space, Akka Technologies

Turin, Italy

- FEM modelling of space primary and secondary structure
- Linear static, modal, buckling and frequency response analysis
- Post process and stress analysis with stress reports drawn up

Education

Politecnico di Milano

September 2020 – December 2022

Aerospace Engineering

Università degli Studi di Firenze

September 2017 – July 2020

Mechanical Engineering

Specialized Skills

Programming languages: Python, R, Matlab, Bash

Data Analytics: SQL, SAS, R, SPSS, Python

Visualization: Tableau, PowerBI

Machine Learning: Scikit-learn, TensorFlow, Keras

Languages

Italian: Native

English: Fluent

French: Fluent