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