Pietro Gazzi

My portfolio
Paris, 75011

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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.

Work Experience

Maintenance Analyst — June 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
- Conducted market analysis to identify business opportunities and optimize repair services

Research Engineer — February 2023 – March 2024
Institut Polytechnique de Paris — *Paris, France*

- Experimental and numerical analysis of crack propagation in 3D printed Polycarbonate and additive manufacturing of optimized specimens
- Performed data analysis to support research projects and improve experimental designs

Structural Analyst — May 2022 – January 2023
Thales Alenia Space, Akka Technologies — *Turin, Italy*

- Developed data-driven models to predict structural performance and optimize designs
- Conducted cost-benefit analysis to support decision-making in structural projects

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

Visualization: Tableau, PowerBI

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

Machine Learning: Scikit-learn, TensorFlow, Keras

Languages

Italian: Native   **English:** Fluent   **French:** Fluent