

Pietro Gazzi

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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.

Education

Politecnico di Milano <i>Aerospace Engineering</i>	September 2020 – December 2022
Università degli Studi di Firenze <i>Mechanical Engineering</i>	September 2017 – July 2020

Research Experience

PEKK/carbon-fiber composite: mode I static and fatigue <i>Politecnico di Milano</i>	March 2022 – December 2022 <i>Milan, Italy</i>
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- Design and manufacturing of composites specimens
- Laboratory testing of thermo-plastic matrix composites in static and fatigue conditions
- FEM non-linear static and fatigue modeling and analysis
- Parameters fitting through Nelder-Mead algorithm

Work Experience

Research Engineer <i>Institut Polytechnique de Paris</i>	February 2023 – Present <i>Paris, France</i>
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- Experimental and numerical analysis of crack propagation in 3D printed Polycarbonate
- Additive manufacturing of optimized specimens
- Numerical assessment of fracture behaviour

Structural Analyst <i>Thales Alenia Space, Akka Technologies</i>	May 2022 – January 2023 <i>Turin, Italy</i>
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- 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

Specialized Skills

Programming languages: Python, R, Matlab, Bash
Commercial FEM solver: Abaqus, Nastran, Hypermesh
Data Analytics: SQL, SAS, R, SPSS, Python
Visualization: Tableau, PowerBI

Languages

Italian: Native

English: Fluent

French: Fluent