

Professional Summary

Data-driven professional with strong expertise in SQL, Python, and data visualization tools (Power BI, Tableau). Experienced in data analysis, predictive modeling, and business intelligence, with a focus on transforming complex datasets into actionable insights. Skilled in process optimization and strategic decision-making to support business growth and efficiency. Proven ability to collaborate with cross-functional teams to develop data-driven solutions. Passionate about leveraging data to drive business performance and decision-making. Visit my [portfolio](#) for more details.

Work Experience

- Maintenance Analyst** Leonardo Helicopters, Milan
 May 2024 – Present
 - Analyzed and repaired structural components using data-driven methodologies.
 - Developed SQL-based dashboards in Power BI, reducing repair turnaround time by 15% and increasing operational efficiency.
 - 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** Institut Polytechnique de Paris, Paris
 Feb 2023 – May 2024
 - Analyzed experimentally and numerically the crack propagation in 3D printed Polycarbonate and the additive manufacturing of optimized specimens.
 - Performed data analysis to support research projects and improve experimental designs.
- Structural Analyst** Thales Alenia Space, Turin
 May 2022 – Jan 2023
 - Developed data-driven models to predict structural performance and optimize designs.
 - Analyzed structural cost-performance trade-offs using Python (Pandas, NumPy), optimizing component design and reducing production costs by 5%.

Education

- Politecnico di Milano** Aerospace Engineering
 Sept 2020 – Dec 2022
- Università degli Studi di Firenze** Mechanical Engineering
 Sept 2017 – Jul 2020
- Coursera Certifications**
 2024-2025
 - Investment Management with Python and Machine Learning (EDHEC)
 - Data Science Specialization (Johns Hopkins University)
 - Google Data Analytics Professional Certificate (Google)
 - PostgreSQL for Everybody (University of Michigan)

Specialized Skills

- Data Processing:** Data Cleaning, ETL, Data Wrangling (Pandas, NumPy, Matplotlib, Seaborn), LaTeX, HTML, CSS
- Business Intelligence:** Power BI, Tableau, Excel (Advanced)
- Programming:** SQL (PostgreSQL, MySQL), Python
 - **Statistical Analysis:** A/B Testing, Regression Analysis, Business Metrics, Time Series Forecasting

Languages

Italian: Native English: Fluent French: Fluent German: Beginner