

HUGO GONÇALVES

Data Analyst apprentice - AIRBUS OPERATIONS

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French & Portuguese: Native **English:** C1 (Advanced) **Spanish:** C1 (Advanced) **Italian:** A2

Aspiring Data Scientist driven by intellectual curiosity and AI expertise. Currently collaborating with teams across every sector at Airbus, I leverage cross-functional synergy to automate Quality processes and deliver tools prioritizing user experience and customer satisfaction.

PROFESSIONAL EXPERIENCE

September 2024 - Present

Data Analyst - Airbus Operations (Toulouse, France)

- **Computer Vision (YOLO):** Fine-tuned segmentation models as a "second pair of eyes" decision aid to enhance defect detection reliability.
- **Software Architecture:** Engineered a modular PDF Parser GUI using Layered Architecture and OOP Patterns (Template Method, Chain of Responsibility).
- **Palantir Foundry Stack:** Built PySpark ETL pipelines and deployed interactive Skywise applications for real-time quality monitoring.
- **Process Digitalization:** Automated competency tracking workflows by connecting Google Workspace tools to Looker Studio dashboards.

May 2024 - June 2024

Intern - Dell Technologies (Montpellier, France)

- **Generative AI:** Developed and trained CNNs, GANs, and Diffusion models using PyTorch for photorealistic image generation.
- **Deployment:** Integrated deep learning models into a Django web interface for real-time inference.

EDUCATION

○ M.Sc. in Data Engineering & Software (Master ICE-LD)

Université de Toulouse, Toulouse | 2024 - Present

Focus: DevOps, CI/CD, Software Architecture, and Big Data Engineering.

○ B.Sc. in Mathematics & Computer Science applied to Social Sciences (Licence MIASHS)

with Highest Honors

Université Paul Valéry, Montpellier | 2021 - 2024

Core Competencies: Applied Mathematics (Analysis, Optimization), Inferential & Descriptive Statistics, Probability Theory.

PERSONAL PROJECTS

Google-Flights-Scraper

Built a Python library to scrape and parse flight data, handling dynamic content and anti-bot mechanisms.

Clipboard Manager

MacOS open-source application for Clipboard and Screen shots/records Management.

TECHNICAL SKILLS

Data Science & AI

Python
PyTorch & TensorFlow
Computer Vision (YOLO)

Data Visualization

Skywise, Looker Studio

Engineering & DevOps

SQL (MySQL, NoSQL)
CI/CD (Jenkins)
Git & GitHub/GitLab
Docker
Bash
Agile method