DAVIDE TESTI

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Portfolio Project: https://github.com/DavideTesti/mlproject
Curriculum Webpage: https://davidetesti.github.io/davidetesti94.github.com/

Former QA at TikTok in the TECH team with MBA background and previous experience in business consulting. Proficient in Machine Learning & Data Engineering, with a certification from Université Paris 1 Panthéon-Sorbonne. Passionate about leveraging data-driven insights to support business decision-making and enhance organizational performance.

CORE COMPETENCES

IT skills:

- **Programming:** Python, Numpy, Pandas
- **Data Visualization:** Matplotlib, Seaborn, Tableau
- **Advanced Programming:** Linux, Bash, Git/Github, Unit Testing
- **Machine Learning:** Classification, Regression, Clustering with Scikit-learn, Time series, Text mining, Dimension Reduction, MLflow
- **Deep Learning:** Computer Vision with OpenCV, Dense Neural Networks with Keras, Convolutional Neural Networks with Keras
- **Data Engineering:** SQL, FastAPI, Data Integration (ETL), PySpark
- **MLOps:** Agile Project Management, Streamlit, Docker, AWS, Kubernetes, Airflow

Economics and Business Administration skills:

- **Managerial:** Team management, Project Management, Dashboarding. KPI development and tracking, Reporting to Stakeholders
- **Technical:** Business Strategy, Business Evaluation, Budgeting/Planning/Forecasting, Production and Operation Management (Lean)

Soft Skills:

- **Coworking:** Teamworking, Problem Solving, Communication, Public Speaking, Supportive Leadership

EXPERIENCE

TikTok gmbh | Berlin, GER   11/2020-09/2023
Quality Analyst TECH Team | Full remote
- I was a Quality Analyst belonging to the TECH team and therefore responsible for the analysis of the operating activities of my department (TnS).
- Here below are some of the activities I have now expertise on:
  - Media content analysis and controlling.
  - Data management: storage and ETL pipeline
  - Big Data Analysis: users, videos, policies' implementation metrics. A/B policies testing.

- KPI metrics dashboarding and reporting
- Trend analysis and control on the effective implementation of the community policies
- Specific project team management

- Spearheaded the development and implementation of a ETL pipeline for the recently launched Berlin office. This innovation reduced the team size required for weekly data analysis from 5 to 3, generating significant cost savings for the company. My efforts were recognized with a productivity bonus for the month.
- Utilized SQL to efficiently extract data from various sources, followed by rigorous data validation and transformation using Python to ensure data quality and prepare it for analysis. This process involved implementing feature engineering techniques to create new insights. This granted to the company a lean and standardized approach to data, not single-employe-dependent.
- Leveraged the analyzed data to develop a comprehensive set of KPI metrics, enabling clear performance monitoring for the TnS department. Regularly created insightful dashboards and reports to keep department' team members and stakeholders rapidly updated. From this standpoint it was then possible for the company to better address the issue affecting the German Media market.

Testi Group Marble & Granite | Verona, IT   06/2019-09/2019
Junior Business Consultant
- Worked with the CEO and laterally with the accounting department for implementing a detailed enterprise valuation spreadsheet with the Economic Profit, Discounted Cash Flow and valuation by multiples methodologies. Assumptions and projections were used to understand the concrete profitability of the business: beyond the simple net income benchmark.
- Definition of possible business plans were presented to the board. Fast dashboarding data visualization were designed for communicating effectively with the public.

Start Cube | Padova, IT   02/2018-03/2019
Consulente d'impresa pro-bono, Business Administration
- Voluntary took part to the university business incubator to help designing business ideas and market analysis.

Alma Cube | Bologna, IT   02/2016-05/2017
Consulente d'impresa pro-bono, Business Administration
- Voluntary took part to the university business incubator to help teams reviewing and editing their projects and reports.

EDUCATION

Université Paris 1 Panthéon-Sorbonne | FR
Certification as Machine Learning Engineering after 5 months full time classes

Università degli Studi di Padova | Padova, IT
Master in Business Administration (Laurea Magistrale) • 108/110

Alma Mater Studiorum - Università di Bologna | Bologna, IT
Bachelor in Business Administration • 110/110

Alma Mater Studiorum - Università di Bologna, **Buenos Aires Campus** | Buenos Aires, AR
Erasmus Program during the full first academic year

LANGUAGES

- **Italian**: Native
- **English**: Fluent | C1/C2 | Full Professional
- **German**: Fluent | B2 | Living and working in Berlin 2.5 years

- **Spanish**: Fluent | B2 | Living and Erasmus in Buenos Aires 8 months