DAVIDE TESTI

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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

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

CERTIFICATIONS

Machine Learning and Data Engineering (CTRL + click to be directed via URL to the certification):

[SQL for Data Science](#) • [Python for Data Science](#) • [Object Oriented Programming with Python](#) • [Exploratory Statistics with Python](#) • [Data Visualization with Seaborn](#) • [Data Visualization with Matplotlib](#) • [Data Quality](#) • [Scikit-learn](#) • [Regression with scikit-learn](#) • [Clustering with scikit-learn](#) • [Bash and Linux](#) • [Advanced Classification with scikit-learn](#) • [Time Series Analysis with Python](#) • [Text Mining with Python](#) • [Dimensionality Reduction with scikit-learn](#) • [Dense Neural Networks with Keras](#) • [Convolutional Neural Networks with Keras](#) • [Data API Fundamentals](#) • [Docker](#)

Excel:

- Excel 1 - Excel Essential Training (Office 365/Microsoft 365) - Certified by National Association of State Boards of Accountancy (NASBA)
- Excel 2 - Excel: Advanced Formulas and Functions - Certified by National Association of State Boards of Accountancy (NASBA)
- Excel 3 - Excel: Advanced Formatting Techniques (365/2019)
- Excel 4 - Excel: Creating a Basic Dashboard - Certified by The Project Management Institute (PMI)
- Excel 5 - Excel: Charts in Depth
- Excel 6 - Excel: PivotTables in Dept - Certified by National Association of State Boards of Accountancy (NASBA)
- Excel 7 - Cert Prep: Excel Associate - Microsoft Office Specialist for Office 2019 and Office 365
- Excel 8 - Cert Prep: Excel Expert - Microsoft Office Specialist for Office 2019 and Office 365
- Excel 9 - Certificate of Completion: Master Microsoft Excel Learning Path

SQL:

- SQL 1 - SQL Essential
- SQL 2 - Learning SQL Programming - Certified by National Association of State Boards of Accountancy (NASBA)
- SQL 3 - SQL: Data Reporting and Analysis
- SQL 4 - Advanced SQL for Data Scientists (2017)
- SQL 5 - SQL Tips, Tricks, & Techniques
- SQL 6 - Presto Essentials: Data Science (SQL)
- SQL 7 - Certificate of Completion: Master SQL for Data Science Learning Path

Data Analyst:

- Data Analyst 1 - Learning Data Analytics - Certified by National Association of State Boards of Accountancy (NASBA)
- Data Analyst 2 - Data Fluency: Exploring and Describing Data
- Data Analyst 3 - Excel Statistics Essential Training (Part 1) - Certified by National Association of State Boards of Accountancy (NASBA)
- Data Analyst 4 - Learning Excel: Data Analysis - Certified by National Association of State Boards of Accountancy (NASBA)

PowerPoint:

- PP 1 - PowerPoint Essential Training (Office 365/Microsoft 365)
- PP 2 - PowerPoint: Designing Better Slides
- PP 3 - PowerPoint 2016: Tips and Tricks - Certified by National Association of State Boards of Accountancy (NASBA)
- PP 3 - PowerPoint 2016: Tips and Tricks - Certified by PMI® Registered Education Provider
- PP 4 - Office 365 PowerPoint New Features: Designer and Morph
- PP 5 - Cert Prep: PowerPoint 2016 Microsoft Office Specialist (77-729)
- PP 6 - Certificate of Completion: Master Microsoft PowerPoint Learning Path