

# Daniele Mingolla

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## WORK EXPERIENCE

### SOCIALPOINT

*Data Scientist*

JANUARY 2023 — PRESENT

Barcelona, ES

- Spearheaded a comprehensive analysis of the arena mode within our game, resulting in a new matchmaking system that statistically increased ARPU for players by 5% as confirmed through A/B testing.
- Engineered and maintained robust ETL processes, ensuring precise data and metrics aligned with business needs.
- Contributed to Tableau dashboards containing essential KPIs, informing strategic decision-making for the products.
- **Tech:** GitHub, Azkaban, Tableau, SQL, Python, R, Redshift.

### AMAZON

*Data Engineer Intern*

JULY 2022 — NOVEMBER 2022

Luxembourg, LU

- Enhanced the performance of several Spark jobs, resulting in a 20% reduction in AWS costs.
- Supported data-driven decision-making by building and monitoring SQL ETL pipelines that informed multiple Amazon QuickSight dashboards.
- Collaborated on a Graph Neural Network model to significantly enhance order forecasting for over 1000 warehouses, improving service quality.
- **Tech:** AWS SageMaker, Scala, AWS, Redshift, Amazon S3, SQL, PyTorch.

### PROFESSIONAI

*Podcast Host* 

MARCH 2022 — JULY 2022

Milan, IT

- Produced and recorded 10 AI-focused podcast episodes, demonstrating expertise in audience research, guest coordination, and impactful question preparation.
- Contributed to the sales of approximately 20 masterclasses, generating over 6,000€ in revenue for ProfessionAI.

### LUTECH

*Analyst Developer Intern*

JULY 2020 — SEPTEMBER 2020

Milan, IT

- Developed a predictive model that achieved an 80% precision rate in classifying hand-signed documents.
- Conducted in-depth statistical analyses and processed extensive datasets using PySpark on distributed systems.
- **Tech:** Apache Kafka, Spark, Scikit-Learn, PySpark, Python.

## EDUCATION

### UNIVERSITY OF MILANO-BICOCCA

*MSc in Data Science*

OCTOBER 2022

Milan, IT

- Main courses: Machine Learning and Decision Models, Data Management and Visualizations, Statistical Modeling.
- Thesis: Federated and distributed Machine Learning models for load prediction at the edge.

### UNIVERSITY OF PERUGIA

*BSc in Computer Science*

JULY 2020

Perugia, IT

- Main courses: Algorithms and Data Structures, Software Engineering, Operative Systems, Databases, C, Java.
- Thesis: Application of Machine Learning and Deep Learning models for sentiment analysis on hotel reviews.

## SIDE PROJECTS

### CHATBOT FOR AMAZON REVIEWS

- Developed a chatbot web app with contextual memory to analyze Amazon reviews, enhancing the user experience for review exploration and trend identification.
- **Tech:** Docker, OpenAI, Python, Streamlit, Langchain.

### WELDING PROCESS ANOMALY DETECTION

- Designed a Welding Anomaly Detection system employing unsupervised Machine Learning and statistical analysis, leading to an 18% decrease in welding defects.
- **Tech:** Jupyter, Python, Scikit-Learn.

### PARALLEL PIPELINE FOR ANALYZING BOOK PUBLISHERS' ONLINE CATALOG

- Developed a pipeline to analyze data scraped from major Italian book publishers' online catalogs to identify the most influential features of a book on the book's price.
- **Tech:** Hadoop, Dask, NumPy, Pandas, R, Python, Matplotlib, BeautifulSoup, RegEx.