

# Daniele Mingolla

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## WORK EXPERIENCE

### SOCIALPOINT

DATA SCIENTIST

JANUARY 2023 — PRESENT

Barcelona, Spain

- Led comprehensive analysis of the game's arena feature, improving competitiveness, boosting player engagement, and identifying new monetization opportunities.
- Developed and maintained multiple robust ETL processes, ensuring accurate data and metrics aligned with business needs.
- Worked on Tableau dashboards providing actionable insights to drive data-driven strategies.
- Proactively monitored job states in Azkaban, promptly resolving any issues to ensure reliable data processing.
- **Tech:** GitHub, Azkaban, Tableau, SQL, Python, R, Redshift

### AMAZON

DATA ENGINEER INTERN

JULY 2022 — NOVEMBER 2022

Luxembourg, Luxembourg

- Optimized query costs by 20% through Scala logic rewriting and leveraging S3 and Spectrum.
- Built and monitored programmed SQL ETL pipelines that informed multiple Amazon QuickSight dashboards.
- Collaborated with researchers to implement a Graph Neural Network model to enhance the service quality of a transportation system with over 1000 nodes.
- **Tech:** AWS SageMaker, Scala, AWS, Redshift, Amazon S3, SQL

### PROFESSIONAI

PODCAST HOST 

MARCH 2022 — JULY 2022

Milan, Italy

- Recorded 10 AI-focused podcast episodes, demonstrating expertise in audience research, guest coordination, and impactful question preparation.
- Contributed to sales of approximately 20 masters, generating over 6k euros in revenue for ProfessionAI.

### LUTECH

ANALYST DEVELOPER INTERN

JULY 2020 — SEPTEMBER 2020

Milan, Italy

- Developed a predictive model (80% precision) for classifying hand-signed documents.
- Conducted statistical analysis and processed large datasets using PySpark on distributed systems.
- **Tech:** Apache Kafka, Spark, Scikit-Learn, PySpark, Python

## EDUCATION AND TRAINING

### MASTER'S DEGREE IN COMPUTER AND SYSTEMS SCIENCES

ERASMUS PROGRAM

AUGUST 2021 — JANUARY 2022

Stockholm, Sweden

- Key Courses: Data Mining, Entrepreneurship in the Digital Society, Business Process.

### MASTER'S DEGREE IN DATA SCIENCE

CREDITS: 120

SEPTEMBER 2020 — OCTOBER 2022

Milan, Italy

- Key Courses: Machine Learning and Decision Models, Data Management and Visualizations, Statistical Modeling.
- Thesis focused on "Federated and distributed Machine Learning models for load prediction at the edge."

### BACHELOR'S DEGREE IN COMPUTER SCIENCE

CREDITS: 180

SEPTEMBER 2017 — JULY 2020

Perugia, Italy

- Key Courses: Algorithms and Data Structures, Software Engineering, Operative Systems, Databases, C, Java.
- Thesis focused on "Application of Machine/Deep learning models for sentiment analysis on hotel reviews."

## PROJECTS

### WELDING PROCESS ANOMALY DETECTION

- Developed a Welding Anomaly Detection system using unsupervised Machine Learning and statistical analysis to identify anomalies in welding process curves, resulting in an 18% reduction in defects.
- **Tech:** Jupyter, Python, Scikit-Learn.

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

- Built 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.