

# Daniele Mingolla

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## WORK EXPERIENCE

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### GLOVO

MARCH 2024 — PRESENT

*Data Scientist*

*Barcelona, ES*

- Designed and analyzed A/B tests across multiple domains (UX, email, promos), collaborating with PMs and SWEs on experiment design, implementation, and statistical analysis.
- Built and deployed ML recommendation system for in-app ranking and personalized communications (email/push), orchestrating implementation across teams with projected €4M annual GMV impact.
- Validated EU discount policy impact through causal inference, proving fraud reduction (99.6%) without business degradation, enabling policy rollout across operating markets.

### SOCIALPOINT

JANUARY 2023 — MARCH 2024

*Data Scientist*

*Barcelona, ES*

- Analyzed arena mode matchmaking data to identify engagement bottlenecks, driving game design improvements that increased ARPU by 5%.
- Developed genetic algorithm for game balancing automation, reducing game designers' manual workload by 70% while preserving gameplay quality.
- Architected ETL pipeline for real-time game metrics, automating performance tracking and stakeholder reporting across teams.

### AMAZON

JULY 2022 — NOVEMBER 2022

*Data Engineer Intern*

*Luxembourg, LU*

- Optimized Spark job performance through code refactoring and resource optimization, reducing AWS costs by 20%.
- Developed ETL pipelines in SQL to power QuickSight dashboards, enabling data-driven operations across warehousing teams.
- Collaborated with Research Scientists on temporal graph neural networks to model warehouse dependencies for improved order forecasting across 1,000+ facilities.

### LUTECH

JULY 2020 — SEPTEMBER 2020

*Software Developer Intern*

*Milan, IT*

- Developed and deployed ML model for hand-signed document classification, achieving 80% precision in production environment.
- Analyzed large-scale datasets using PySpark and distributed systems for statistical reporting and insights delivery.

## EDUCATION

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### MSc IN DATA SCIENCE

OCTOBER 2020 — OCTOBER 2022

*University of Milano-Bicocca*

*Milan, IT*

- Main courses: Statistical Modeling, Machine Learning and Decision Models, Data Management and Visualization.
- Thesis: [Federated and Distributed Machine Learning Models for Load Prediction at the Edge](#).

### BSc IN COMPUTER SCIENCE

OCTOBER 2017 — JULY 2020

*University of Perugia*

*Perugia, IT*

- Main courses: Algorithms and Data Structures, Software Engineering, Operating Systems, Databases, C, Java.
- Thesis: [Application of Machine Learning and Deep Learning Models for Sentiment Analysis on Hotel Reviews](#).

## PROJECTS

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### KINDLEGPT - NOTES ENHANCER [G](#)

- Developed automation tool that processes Kindle highlights through ChatGPT API, transforms them into enhanced markdown notes, and syncs to Google Drive for universal note-taking app compatibility.

### AMAZON REVIEWS CHATBOT [G](#)

- Built intelligent chatbot using LangChain and OpenAI embeddings to analyze Amazon Fashion reviews, enabling semantic search and trend analysis.

## SKILLS

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**Data Science:** A/B Testing, SQL, Causal Inference, Machine Learning, Deep Learning | **MLOps:** Airflow, Argo, FastAPI, MLFlow | **Programming:** Python, R, Javascript | **Big Data & Cloud:** Apache Spark, AWS (ECS, Lambda, SageMaker), Kafka, Redis | **Tools:** Docker, GitHub, PyTorch, Tensorflow, Scikit-Learn, Tableau, HuggingFace, LangChain, Amplitude, Looker