Daniele Mingolla

 LinkedIn   Github @ danielemingollabusiness@gmail.com

WORK EXPERIENCE

SOCIALPOINT   JANUARY 2023 — PRESENT
Data Scientist   *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.
- Implemented a genetic algorithm solution that optimized unit balance, reducing the need for manual adjustments of unit statistics in Top Troops, resulting in a significant time savings of approximately 70%.
- Engineered and maintained robust ETL processes, ensuring precise data and metrics aligned with business needs.
- **Tech**: GitHub, Tableau, SQL, Python, R, Redshift.

AMAZON   JULY 2022 — NOVEMBER 2022
Data Engineer Intern   *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   MARCH 2022 — JULY 2022
Podcast Host ▶   *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   JULY 2020 — SEPTEMBER 2020
Analyst Developer Intern   *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   OCTOBER 2022
MSc in Data Science   *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   JULY 2020
BSc in Computer Science   *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.