

Edoardo Ferrante

FULL-STACK DATA SCIENTIST

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Full-Stack Data Scientist with over 7 years of experience in developing and deploying data products from ideation to production. Skilled in infrastructure, CI/CD, software engineering, and machine learning, with a proven track record of increasing revenue and reducing costs. Passionate about leveraging data to drive business impact and fostering interdisciplinary teams.

Experience

Senior Data Scientist @ Education First

[Zürich, Switzerland](#)

May 2023 - CURRENT

- Led the development of the Conversion Model, increasing conversion rate by 80% and contributing to 40% revenue growth.
- Implemented MLOps pipelines to streamline model training and deployment and ensure high-quality releases.

Senior Data Scientist @ Reale Mutua Assicurazioni

[Turin, Italy](#)

Oct 2019 - May 2023

- Ideated and led the development of a product to help health underwriters leading to a 2.3% decrease in claim costs.
- Ideated and led to production a complete document processing pipeline to extract information the millions of documents received annually. Allowing for several downstream tasks, like Entity Recognition, Document Classification, Structured Information Extraction
- Co-led the first two downstream tasks, totalling more than 500k€ in yearly costs reduction.

Data Scientist @ Var Group S.p.A.

[Genoa, Italy](#)

Feb 2018 - Oct 2019

- Designed and developed ML solutions for SMEs, enhancing operational efficiencies and customer satisfaction.

Data Science and Engineering intern @ Var Group S.p.A.

[Genoa, Italy](#)

May 2017 - Jan 2018

- Designed and implemented full stack architecture for Big Data Analysis with Hadoop.

Publications

Stefano Lusito, Edoardo Ferrante, Jean Maillard. 2023

Text normalization for low-resource languages: the case of Ligurian

In Proceedings of the Sixth Workshop on the Use of Computational Methods in the Study of Endangered Languages, pages 98–103, Remote. Association for Computational Linguistics.

Projects

TorchGLocalK

- Developed a PyTorch implementation for the GLocal-K recommendation algorithm, enhancing its performance and usability.

Skills

- **Data Science & ML:** PyTorch, Lightning, Pandas, Scikit-learn, LightGBM, Deep Learning, NLP, Computer Vision, Recommender Systems, Auto-Encoders
- **Software Engineering:** Git, Docker, CI/CD, MLOps, AWS, Azure
- **Languages:** Python, SQL, Bash, Terraform

Education

Master Degree in Computer Engineering, Università degli Studi di Genova

[Genoa, Italy](#)

Oct 2015 - Dec 2017

- Thesis: "A Big Data Architecture: From Ingestion to Analytics."

Bachelor Degree in Computer Engineering, Università degli Studi di Genova

[Genoa, Italy](#)

Oct 2012 - Oct 2015