SIMONE DE BONIS

Data Scientist

Contacts

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🌐 simonedebonis.github.io

in simonedebonis

📍 Ferrara, Italy

Skills

Database
SQL, MongoDB, Redis

Data Science
R, Python (Numpy, Pandas, Scikit-Learn, Pytorch)

Languages
Italian, English

About me

Curiosity is the trait that defines me most,
my core passions are artificial intelligence, cybersecurity and aerospace.
This led me to become a book reviewer for a technical editor, allowing me to explore the cutting edge of technology.
I am eager to further deepen my knowledge in AI and apply it to real-world scenarios, aiming to create tangible value for the world.

Projects

Root Cause Analysis (Python)

As a thesis for my Masters degree in collaboration with a company, I am developing a model that allows for understanding and predicting engine failures using telemetry data

Data-Driven Intrusion Prevention System (Python)

As a course project I developed a multivariate anomaly detection model for a company to prevent intrusions into the corporate server using log data

Early Warning of Default (R)

As a University project my team and I developed a model to identify early-warning signals of default of italian municipalities

Experience

Research Internship *2023 - Ongoing*
Inside the University, I'm working on projects for a company in the automotive industry

Freelancer *2023*
Worked on data pipelines for integration for a company

Education

Data Science for Economics and Business *2021 – October 2023*
Università Politecnica delle Marche
Big Data Econometrics, Big Data engineering, Computational statistics

Economics, Markets and Institutions *2017 – 2021*
Università di Bologna
Statistics, Econometrics, Corporate Finance

Artificial Intelligence & Machine Learning *60 ore, IFOA*
Python and machine learning algorithms

Deep Learning applications *60 ore, IFOA*
Architectures (MLP, CNN, RNN) with applications in NLP e Computer Vision

Marketing Analytics & Business Intelligence *120 ore, Forpin*
Data Warehouse, foundations of cybersecurity and GDPR, PowerBI