Eduardo Mosca

Date of birth : 18/11/2002
Currently based in Milan
Contacts :
+39 3349144985
eduamosca7@gmail.com
Github
LinkedIn

EDUCATION

Master's Degree in Data Science, *University of Milano-Bicocca*, Milan, Italy – Sep 2024 → Summer 2026
-Weighted AVG: 29.33/30 (or 4.0 GPA) as of Oct 2025, courses delivered entirely in English;
Bachelor's Degree in *Management and Computer Science*, *LUISS*, Rome, Italy - Sep 2021 → Jun 2024
-Weighted AVG: 27.66/30 (or 3.5 GPA) →Graduated 107/110 final grade, courses delivered entirely in English.

PROJECT WORK

Projects are ordered from most recent to less recent.

- TCN-based models for time series anomaly detection and classification on TEP dataset in Python [repo], research papers were studied and re-implemented from scratch in TensorFlow
- [KNIME ML Challenge 24/25 Finalist]: classification of risky loan applicants. [link]
- Quality-verified weather and air quality dataset for Milan from EU Copernicus data, APIs [repo]
- Hetio-net biological network exploration to suggest diagnoses treatment through compounds while minimizing side effects in Python. [repo]
- Fraud detection for fake reviews on amazon product reviews data, using python. [repo]
- Regression on rent prices and clustering of listings in Brazil from real estate data, using R. [repo]
- Creation and validation of ANN & other models for social media shares regression in Python. [repo]

EXPERIENCE

Bachelor Thesis Internship at *DataReply* – Aug 2023 → Jan 2024

- This experimental project was rooted in two challenges: being able to systematically find data quality anomaly patterns in datasets and being able to do so for any given dataset (attempting a 1-size-fits-all preprocessing). The implementation was done in Python by leveraging data science libraries and ran in the cloud. Through preprocessing and fitting an anomaly detection model to the data, the resulting output was a set of query-like rules pertaining to the input dataset that described data quality anomalies, so that data could be better maintained in an autonomous way. Git and Databricks were also used in development.

Intern Software Developer, *Integrated Aerospace Systems* – June '23 → July '23

- Developed, integrated, and tested an internal surveillance program for detection of people and cars on images from the overnight camera, using the YOLOv8 and OpenCV to handle the analysis.
- Developed a program for monitoring server room temperature to send alert emails if temperature exceeded a certain pre-set threshold, interfacing python with the temperature data DB through PyODBC and SQLAlchemy.

SKILLS/ACTIVITIES

Certifications, Languages, Skills, Software Experience & Other:

- C2 CEFR(Grade A CAE Advanced) English certificate. Intermediate knowledge: Spanish, French
- DeepLearning AI TensorFlow Professional Developer Certificate
- TriesteNext 2025 Festival of Scientific Research – Academy(Italy)
- Python, R, SQL, AWS, Databricks, Git, scikit-learn, TensorFlow, PyTorch, pandas, numpy, OpenCV

Interests: Reinforcement Learning, Embodied AI, Deep Learning, Robotics, Computer Vision. **Would like to explore further**: World Models, DL for robotics, physical AI, Multi-Task learning, Meta-Learning, 3D Computer Vision, Object-Centric Computer Vision. Hope to learn ASAP: JAX, ROS2, PyBullet, Isaac Sim/Gym

(Please consult links for further info on degree courses and contents)