Lorenzo Rossi

Email: lorenzo.rossi1@unimi.it

LinkedIn - GitHub

Location: Via Conservatorio 7, Milan, Italy

Mobile: +39 - 347 98 29 679

Research and work interests

Machine Learning, Time Series Analysis, Econometrics, Bayesian Statistics.

Experience

- **R&D Computer Vision Engineer Intern** — Milan, Italy
  TXT Group — *Jan. - May 2023*
  - Developed computer vision algorithms for object and fault detection using OpenCV and ROS in the aerospace industry.

- **Data Science Intern** — Mantua, Italy
  ABACO Group — *Jun. - Nov. 2022*
  - Applied machine learning algorithms for forecasting field water capacity and vegetation status.
  - Developed deep learning algorithms based on YOLO for computer vision and image segmentation of agricultural land.

Education

- **Ph.D. Candidate in Economics** — Milan, Italy
  University of Milan - University of Pavia — *Jun. 2023 – Present*

- **MSc in Data science and Economics** — Milan, Italy
  University of Milan — *Sep. 2020 - Jul. 2023*
  - **Thesis topic**: Bayesian Optimization of Deep Learning Algorithms for Energy Load Forecasting.

- **Bachelor in International Trade** — Milan, Italy
  University of Milan — *Sep. 2017 - Oct. 2020*

- **Exchange Student** — Toulouse, France
  University of Toulouse I - Capitole — *Sep. 2019 - Dec. 2019*

Awards, Fellowships and Grants

- **Three-year Ph.D. Scholarship**, University of Milan - University of Pavia. *2023*

Technical Skills

- **Maths and Statistics**: Statistical Inference, Time Series Analysis, Econometrics.
- **Machine Learning and Deep Learning algorithms**: Supervised/Unsupervised Learning, Neural Networks.
- **Machine Learning and Deep Learning frameworks**: TensorFlow, PyTorch, Scikit-learn.
- **Programming languages**: Python, R, SQL.
- **Computer Vision**: YOLO, OpenCV.
- **NLP**: BERT, NLTK.
- **Database Management**: Postgres, MongoDB.
- **Git**: GitLab, GitHub.

Languages

Italian (Native language), **English** (Advanced, FCE), **French** (Advanced, ESABAC).