Andrea Fossà

Master Student in artificial intelligence and FBK intern

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Education

MS in Artificial Intelligence, University of Bologna (link ↗)   *Sept 2023 – current*

- Class: LM-18 Computer science, LM-32 Computer systems engineering
- Program Overview: Machine Learning and Deep Learning, Knowledge Representation and Reasoning, Statistical and Mathematical Methods for AI, Computer Vision, Natural Language Processing, Algorithms and Programming for AI, Cybersecurity in AI Applications, AI for Industrial and Business Innovation, Ethics in AI.

BS in Bioinformatics, University of Verona (link ↗)   *Sept 2020 – Jul 2023*

- Class: : L-31 Computer science
- GPA: 107/110

Experience

AI Research Intern   *Trento, Italy*
Fondazione Bruno Kessler, FBK E3DA Lab (link ↗)   *Mar 2025 – Sep 2025*

Internship focused on the processing of bio signals (EEG) using deep learning techniques on edge devices / Energy Efficient Embedded Digital Architectures unit.

BCI Research Intern   *Verona, Italy*
BraiNavLab (link ↗)   *Mar 2023 – Jul 2023*

Developed passive BCI for assessing Mental Workload

Stage   *Lonigo, Italy*
Fabbrica Italiana Sintetici (link ↗)   *May 2018 – Jun 2018*

Labourer   *Lonigo, Italy*
Collis Wine Group   *Aug 2022 – Oct 2022*

Labourer   *Lonigo, Italy*
Albiero SRL   *Aug 2020 – Oct 2020*

Technologies

Languages: Python, C, Java, Matlab,

Tools & Libraries: PyTorch, TensorFlow, Scikit-learn, OpenCV, Z3Py, Github, Docker, SQL, CUDA

Bioinformatics: UniProt, PDB, BLAST, ClustalOmega, ITK-SNAP

Some Projects

Satellite image semantic segmentation	*github.repo* ↗
From Scratch AI	*github.repo* ↗
NLP Techniques and Prompting Strategies for Sexism Detection in Tweets	*github.repo* ↗
Detecting Objects: Classic and NN	
Combinatorial Decision Making and Optimization for Multiple Courier Planning problem	*github.repo* ↗

Languages & Soft Skills

Promote communication between people with different cultural backgrounds *link* ↗

Objective: Sustainable Development *link* ↗

Strategic problem solving patterns for better creativity *link* ↗

Languages: Italian: native, English: fluent (B2 level)