FRANCESCO DI SALVO

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EDUCATION

PhD in Machine Learning, Otto Friedrich University of Bamberg   April 2023 - *Present*
Focus: data efficiency and model efficiency.
Supervised by Prof. Dr. Christian Ledig.

MSc in Data Science and Engineering, Politecnico di Torino   Sept. 2020 - Oct. 2022
Courses: Statistics, Mathematics in ML, Computer Vision, NLP, ML for IoT.
Graduated with 109/110.

BSc in Computer Engineering, Università degli Studi di Palermo   Sept. 2017 - July 2020
Graduated with 110/110 cum Laude.

EXPERIENCE

Research Intern, NATO Center for Maritime Research   Nov. 2022 - April 2023
· Selected as top candidate for the **Young Scientist Internship** program.   La Spezia, IT
· Worked on **anomaly detection** for underwater **acoustic data**.

Research Intern, AXTI Lab - Radboud University Medical Center   Mar. 2022 - Sept. 2022
· State-of-the-art for **3D segmentation and classification** on breast CT scans.   Nijmegen, NL
· Significant **performance improvement** by leveraging the **model uncertainty**.

Deep Learning Engineer Intern, AIKO Space   Oct. 2021 - Jan. 2022
· Exploration of **Monocular Visual Odometry** in hostile environments, like Mars.   Turin, IT
· Improved **rotation error** by **27%**.

Research Assistant, Politecnico di Torino   June. 2021 - Aug. 2021
· Built a **visitor flow predictor** for Turin's museums.   Turin, IT
· Designed a **regression model** that improved by **64%** the proposed baseline.

OTHER EXPERIENCE

Illustrated Machine Learning, illustrated-machine-learning.github.io   Jan. 2023
· Deployed a website containing illustrations about Machine Learning topics (+450 stars).

Machine Learning Engineer, Omdena - Trillion Tree Fund   Apr. 2021 - June 2021
· Built **predictive models** for quantifying the **impact** of **forest** landscape **restoration projects**.
· **Team leader** of the data acquisition pipeline, with more than **20 volunteers** from all over the world.

Member, Vivere Ingegneria   Sept. 2018 - July 2020
· **Mentored** and **trained** incoming freshmen for their entrance exams.
· Conducted **monthly tutoring classes** with more than 50 students of Linear Algebra and Calculus.