FRANCESCO DI SALVO

francesco.disalvo99@gmail.com ⬦ francescodisalvo05.github.io ⬦ linkedin.com/in/francescodisalvo-pa ⬦ +393883587971

EDUCATION

Master of Data Science and Engineering, Politecnico di Torino   Sept. 2020 - Exp. Oct. 2022
Courses : Mathematics in ML, Computer Vision, Natural Language Processing, ML for IoT.

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

EXPERIENCE

Deep Learning Engineer Intern, AIKO - Autonomous Space Mission   Oct. 2021 - Present
· Estimation of the position of a Rover through Monocular **Visual Odometry**.
· Generated **Transformation Matrices** from scratch.
· Coping with the **scaling issue**.

Research Assistant, Politecnico di Torino   June 2021 - Aug. 2021
· Built a **visitor flows predictor** for Turin's museums.
· Improved by **64%** the baseline by **scraping** more information from the Web.

Machine Learning Engineer, Omdena - Trillion Tree Fund   Apr. 2021 - June 2021
· Built a **predictive model** 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.
· Presented the project to the team and stakeholders.

PROJECTS

Incremental Learning in Semantic Segmentation - PyTorch   [Paper, Repository]
· Final project of the **Machine Learning and Deep Learning** course, scoring 30/30.
· Generated **synthetic images** without training data.

Financial Sentiment Analysis - Spacy, Flask, Streamlit   [Repository]
· Sentiment Analysis via **Transfer Learning**, achieving **69% of accuracy** on **real time** stock news.
· Developed a **local server** for the interaction between frontend and backend.

EXTRA-CIRRUCULAR ACTIVITIES

Blogging   (medium.com/@francesco.disalvo)
· Write Machine Learning and Deep Learning articles during my spare weekends.

Living Engineering   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, Programming and Calculus.

SKILLS

Programming Languages	Python, MySQL, Java, C++.
Python libraries	Numpy, Pandas, Scikit-Learn, PyTorch, Tensorflow, PySpark.
Spoken languages	Italian (native), English (fluent).