MATTEO MERLO - Data Scientist

**Aspiring Machine Learning Engineer with a background in software engineering. After my Bachelor's degree, I pivoted my career to Machine Learning due to my passion for Artificial Intelligence and problem-solving attitude.
Currently looking for an internship in ML/DL field with the possibility to discuss my final M.S. thesis, to be started by November/December.**

CONTACT

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- Turin, Italy
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- MatteoM95
- Matteo Merlo

RESEARCH INTERESTS

- Machine Learning & Deep Learning
- Artificial Intelligence
- Computer Vision
- Data Science

SKILLS

Dev. Languages

Python
C++
C
C#
Java

Core skills

Machine Learning/Deep Learning:
Statistics, Pytorch, Tensorflow, Keras, Numpy, Pandas, Scikit-learn, Pyspark, MapReduce

Tools:
Git, MATLAB and Simulink, Latex, Tableau, Office365, Arduino and Raspberry

Databases:
SQL and NoSQL, ETL processes

Operating Systems:
Linux (Debian), Windows

Languages

Italian (Native)
English (Advanced)
German (Limited)
French (Beginner)

CERTIFICATES

IELTS (2016) - Overall Band: *7.0*
DeepLearning.AI - TensorFlow
DeepLearning.AI - Deep Learning

WORK EXPERIENCE

Software engineer Apr. 2017 - Dec. 2017
Consoft Sistemi S.p.a Turin, Italy

- *Knowledge used*: C, C++, Python, JSON, Arduino, LoRaWAN
- Implemented firmware on Arduino board in C++.
- Tested LoRaWAN as solution within an IoT environment in Python.
- Developed a JSON-like package data format

EDUCATION

Politecnico di Torino, Turin Oct. 2020 - Now
M.S. Data Science and engineering GPA: 26/30
Politecnico di Torino, Turin Oct. 2014 - Jun. 2020
B.S. Computer engineering Grade 95/110

CURRICULAR PROJECTS

Relevant project done during my M.S. at Politecnico of Turin:

- **Default of Credit Card Clients Dataset Analisys**: [Github]
  - *Knowledge used*: Scikit-Learn, SMOTE, PCA, SVM, Random Forest.
  - Data analysis through advanced ML techniques such as SMOTE, PCA using SVM and Random Forest
- **Real-time Domain Adaptation in Semantic Segmentation**: [Github]
  - *Knowledge used*: PyTorch, Torchvision, TensorBoard, CUDA.
  - A class-based styling approach for Real-Time Domain Adaptation in Semantic Segmentation applied to self-driving cars.

Check out my Github for more cool project: **github.com/MatteoM95**

EXTRACURRICULAR ACTIVITIES

IT division member Oct. 2016 - Jun. 2020
Icarus Polito students team
Icarus is a students team working on UAV airplane design and rocket.

- *Knowledge used*: C, C++, C, Java, Arduino, STM32 Nucleo, Matlab
- Designed and built a UAV and rocket ground control station
- Designed from scratch a flight route path planner through clouds using graph algorithms. [Github]
- Designed a real-time control status GUI with MatLab App Designer.

INTEREST AND HOBBIES

Motor sport | Space exploration | Reading scientific journal | Travelling | Hiking | Swimming | Chess | Gym