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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- ⌨ MatteoM95
- in Matteo Merlo

RESEARCH INTERESTS

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

SKILLS

Programming 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.
- **Smart Home Vigilance System:**   [Github]
  - ◆ *Knowledge used*: MQTT, **Tensorflow**, Speech Recognition, OpenCV
  - – An indoor video surveillance system capable of recognizing the presence of a human intrusion.
- **Real-time Domain Adaptation in Semantic Segmentation**: [Github]
  - ◆ *Knowledge used*: **PyTorch**, Torchvision, TensorBoard, CUDA.
  - – Computer vision project image elaboration for **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.   [Github]

👤 INTEREST AND HOBBIES

Motor sport   Space exploration   Reading scientific journal

Travelling   Hiking   Swimming   Chess   Gym