Personal Info

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31 August 1991

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Computer Science Skills

Python

SAS

SQL

Matlab

Numpy

Pandas

Tensorflow

Caffe

Anaconda

Scikit-Learn

Scala

Spark

Linux

Knowledge

Physics, Mathematics, Statistics, Game Theory, Neural Networks, Social Systems, Numerical Calculus, Network Theory, Agent-Based, Models, Data Mining, Machine Learning, Computer Vision, Natural Language Processing, Artificial Intelligence

Federico **Di Credico**

Consultant Developer Analyst

Being a Physicist of Complex Systems is what identifies me best. I have solid skills in statistics and mathematics, strongly oriented to the Computer Science (Business Intelligence, Machine Learning and AI). Milan is the city I chose to begin my job career and my goal is to become an expert data scientist.

Experiences

Jan 2019 - Feb 2019

Consultant Data Scientist

Amplifon S.p.A, Milano

I took part in a project that consisted in testing two data science platforms, in the terms of performaces and usability (Dataiku and Apache Zeppelin). I tested them implementing many use cases of analysis on CRM data.

Nov 2018 - present

Consultant Programmer Analyst Junior

Trust4Value s.r.l, Milano

I have just completed a 4 months stage hiring program and now I am employee of this company. Through a masterclass and a train on the job period I learned to use the main tools of SAS for Business Intelligence, the SAS foundation programming language, the SQL standard for relational databases, ETL processes and data management.

Mar 2018 - Oct 2018

Master Thesis Student

Addfor s.r.l, Torino

Thesis work in the field of computer vision, title: Study of Artificial Neural Networks trained on Synthetic Datasets. Here I learned to use the main computer tools for data analysis, modeling, machine learning and artificial intelligence. I implemented the Grad-CAM and Layer-wise Relevance Propagation (LRP) algorithms on SegNet, a deep neural network that performs segmentation of images. The aim was to use these state of art explanation techniques to open the black box of artificial neural networks, and understand why they have lower performances if I train them with an artificial dataset instead of a real one. In this context I have consolidated my skills in using the Python language, especially the Numpy, Tensorflow, Caffe, Matplotlib and Scikit-Learn libraries.

Oct 2014 - Jun 2016

Private Teacher

Centro didattico Ulisse, Parma

Teaching is one of the things that I can do better. I have had hundreds of students over the years. I teach mainly mathematics and physics to high school students and to those of the first year of the university's scientific degree courses.

Education

Oct 2016 - Oct 2018

Università degli studi di Torino

Master Degree in Physics of Complex Systems 108/110

2010 - 2015

Università degli studi di Parma

Bachelor's degree in Physics