



**Roberta  
Marini**

**DATE OF BIRTH:**  
10/11/1993

## CONTACT

**Nationality:** Italian

**Gender:** Female



## WORK EXPERIENCE

## EDUCATION AND TRAINING

01/09/2017 – 19/03/2020 - Italy

### Masters in Physics of the Earth System

Alma Mater Studiorum - University of Bologna

- Studied seismology, tectonophysics, seismic tomography, and geodesy
- Dissertation in applied geophysics, explored reasons behind historical seismic damages in Italy
- Solved differential equation with Runge-Kutta algorithms and others using **Matlab**
- Gained Survey experiences
- Collected raw data for a **gravimetric survey** using LaCoste & Romberg gravity meter

#### Field(s) of study

- Physics

109/110

01/09/2012 – 23/09/2016 - Italy

### Bachelor Degree in Physics

Sapienza - University of Rome

- Used **Origin** and **Kaleidagraph** software to analyse data
- Learned **C** language on **Linux (Ubuntu)** environment to solve elementary physics problems
- Worked in teams for lab exams
- Produced accurate reports for each lab experience

#### Field(s) of study

- Physics

98/110

01/05/2020 – 30/06/2020

## Machine Learning

Stanford University at Coursera.org

- ML algorithms: Linear and Logistic Regression, Neural Networks, Clustering
- Programming language: Matlab

<https://www.coursera.org/>

01/08/2020 – 31/08/2020

## Data Analysis with Python

IBM at Coursera.org

- Clean, visualize, and summarize data using Pandas.
- Using Scikit-learn, develop Data Pipelines, construct Machine learning models for Regression, and evaluate models.

<https://www.coursera.org/>

01/09/2020 – CURRENT

## Data Scientist with Python

DataCamp.com

- Python libraries: Pandas, NumPy, Matplotlib, Seaborn etc.

**Field(s) of study**

- Data Science

<https://www.datacamp.com>

## LANGUAGE SKILLS

**MOTHER TONGUE(S):** Italian

**OTHER LANGUAGE(S):**

**English**

**Listening**  
B2

**Reading**  
B2

**Spoken  
production**  
B2

**Spoken  
interaction**  
B2

**Writing**  
B2

## DIGITAL SKILLS

Microsoft Office: Word, Excel, Access, Power Point, Outlook. /  
MATLAB&Simulink / C / Python / Latex Software / GIS - Geographic  
Information System (Beginner) / SQL/MYSQL