Lorenzo Amabili

Personal Details

Date of birth: 28/06/1990
Email: lorenzo.amabili@protonmail.com

Location: Casale Monferrato, Italy
Phone: +39 3780647744

Work Experience

Data Scientist at *Buzzi SpA* *from 10/23, in Casale Monferrato, IT.*
As the main data scientist in the group, my responsibilities are:

- Use machine learning techniques to detect anomalies and make predictions based on historical and streaming time series data (sensor data). *Tech Stack:* Python, Seeq.

- Build data pipelines to prepare heterogeneous quality data and to create and deploy predictive models. *Tech Stack:* Python, Azure.

- Organize, enrich, and make large amounts of production data accessible for analysis and reporting purposes by creating nested SQL queries. *Tech Stack:* SQL.

Data Scientist at *Mosaic Factor* *from 09/22 to 05/23, in Barcelona, ES.*
During this period, I worked on both internal and customer facing data science projects. My tasks were:

- Provide data insights by inspecting large amounts of data, and developing, evaluating, and implementing predictive machine learning and time series models. *Tech Stack:* SQL, Python.

- Deliver business reports integrated with data visualizations to inform our client about the opportunities and challenges of the target market by analyzing the data of several potential providers. *Tech Stack:* Python, RAWGraphs.

PhD Candidate in Computer Science at *Rijksuniversiteit Groningen, from 08/17 to 07/22, in Groningen, NL.*
In this large project, my achievements were:

- Develop novel methods to communicate the results of large medical imaging data analyses and present them by publishing a number of scientific articles and non-scientific articles.

- Build a visual tool based on an extensive study of state-of-the-art techniques in visual storytelling, medical visualization, and human-computer interaction. *Tech Stack:* TypeScript, Angular, Node.js, Docker, Python, R, d3.js.

Education

MSc Degree in Statistics at the Katholieke Universiteit Leuven, from 2014 to 2017, in *Leuven, BE*
Erasmus Programme at the Université de Montpellier, from 2012 to 2013, in *Montpellier, FR*
BSc Degree in Statistics at the Università di Bologna, from 2009 to 2013, in *Bologna, IT*

Skills

Data Science Skills. Data preparation, data analysis, machine learning modeling, and data visualization.
Programming Skills. *Python* (Pandas, NumPy, Matplotlib, Seaborn, Scikit), *R, SQL, JavaScript/TypeScript.*
Visualization Skills. *D3.js, Tableau, ggplot2, RAWGraphs, Adobe Illustrator, visualization design.*
Language Skills. *Italian* (native), *English* (fully proficient), *Spanish* (fluent), and *French* (intermediate).
General Skills. Creative problem-solving and critical thinking skills, organizational skills, communication and teamwork skills, adaptability and flexibility, attention to detail, and willing to learn.

Portfolio

My GitHub account, scientific articles and non-scientific articles.