

Giorgio Caizzi

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EXPERIENCE

Environmental Engineer

Feb. 2021

AECOM URS Italy S.p.a.

Milan, Italy

Technical consultancy on remediation procedures in contaminated industrial sites across Italy in compliance with "D.Lgs.152/06", the Italian law on environmental protection.

- Design and implementation of remediation technologies in contaminated sites.
- Spatial data collection, cleaning, analysis and elaboration.
- Developing custom solution for optimal and effective restitution of environmental spatial data.
- Relations with national competent authorities.

External Collaborator

Mar. 2020 – Dec. 2020

Wisear S.r.l.

Milan, Italy

Development of a GIS-based framework for spatial interpolation of PM2.5 concentration data from a dense network of measuring stations, taking into account the physical modifications on pollutant diffusion due to the urban morphology.

- Automated Python processing of geographical database features.
- Development of tool to assess compliance with international health guidelines in Milan, Italy.

Event specialist - "Citycrusher" Team

Sep. 2017 – Sep. 2020

Red Bull S.r.l.

Milan, Italy

Managing brand-activation of *Red Bull Citycrusher* event-car in selected sport events in Italy.

"Hero Team" Promoter

May. 2014 – Sep. 2019

GoPro EMEA

Munich, Germany

Promotion of cameras and brand-activation in selected events in Europe.

EDUCATION

MSc in Environmental and Land Planning Engineering

Milan, Italy

Politecnico di Milano

Sep. 2018 – Dec. 2020

Data structures, analysis & ML for environment - Advanced Statistics - Advanced GIS - Remote Sensing - Photogrammetry - Sustainability & LCA assessment - Climate change mitigation

Thesis: "*Spatial interpolation methods for producing high-resolution PM2.5 concentration maps in Milan, Italy*"

BSc in Environmental and Land Planning Engineering

Milan, Italy

Politecnico di Milano

Sep. 2014 – Mar. 2018

Statistics - Chemistry - Geology - Hydrology & Hydraulics - Soil & groundwater remediation - geotechnology - Energy engineering - GIS

Thesis: "*Estimation of the environmental and economical impact of Case dell'Acqua, a purified and free drinking-water distribution project in Milan by MM S.p.a.*"

The British School of Brussels

Brussels, Belgium

International Baccalaureate (IB Diploma)

Sep. 2012 – May. 2014

TECHNICAL SKILLS

GIS & CAD: ArcGIS & QGIS, AutoCAD, Civil3D **Advanced Microsoft Office:** PowerQuery & PowerBI

Cloud & Automation: Amazon Web Services (AWS), Google Cloud Platform (GCP) & GitHub actions

Software Development: git, Unit testing & Integration testing, Documentation, CI & CD

Programming: python, shell scripting, SQL & PostGIS

Python libraries: pytest, request, pandas, numpy, scipy, matplotlib, statsmodels, geopandas, shapely, rasterio, sphinx

Writing: \LaTeX , Markdown & StructuredText **Web:** HTML & CSS

PERSONAL SKILLS

Languages: Fluency in Italian (mother tongue) and English. French at intermediate level.

Personal interests: skiing, surfing, road-cycling and outdoors. Photography.

LICENSES

Italian National Association of Engineers: Exam passed on November 2021.

References and letters of recommendation available on request.