



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 of investigation plans and implementation of appropriate remediation technologies in contaminated sites.
- Relations with national competent authorities.
- Developing custom solutions for effective restitution of environmental data, with implementations from latest technologies (Cloud services, SQL DataBase, Esri ArcGIS, Microsoft Power BI, python)

External Collaborator

Mar. 2020 – Dec. 2020

Wiseair 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 air quality 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 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

Business Intelligence Power BI

DataBase SQL & PostGIS

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

Software Development git, unit testing & integration testing, Documentation, CI & CD

Programming python, shell scripting

Writing L^AT_EX, Markdown & reStructuredText

Web HTML & CSS

PERSONAL SKILLS

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

Personal interests skiing, surfing, road-cycling and outdoors. Technology and AI.

LICENSES

Italian National Assotiation of Engineers 2021

References and letters of recommendation available on request.