



# Giorgio Caizzi

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 : [giorgio-caizzi](#)  : [giocaizzi](#)

## EXPERIENCE

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### Environmental Engineer

AECOM URS Italia S.p.A.

Feb. 2021

Milan, Italy

Technical consultancy on remediation procedures in industrial sites across Italy, in compliance with D.Lgs.152/06.

- Developing custom solutions for effective collection, processing, analysis and restitution of environmental data.
- Project management: budgeting, planning, billing and reporting. Meetings with clients.
- Design and implementation of investigation and remediation activities for contaminated water and soil matrices.
- Field supervision of technical activities carried out by subcontractors.
- Relations with national authorities and local authorities (ARPA, Ministry of Environment, Municipalities).

### External Collaborator

Wiseair S.r.l.

Mar. 2020 – Dec. 2020

Milan, Italy & Lisbon, Portugal

Development of a GIS-based framework for spatial interpolation of PM2.5 concentration data, using real-time data from a dense network of measuring stations and taking into account the contribution of urban morphology in the dispersion of pollutants.

- Automated processing of real-time pollutant concentration data, using python and GIS tools.
- Development of a tool to assess compliance with air quality international health guidelines.

### Event specialist - “Citycrusher” Team

Red Bull S.r.l.

Sep. 2017 – Sep. 2020

Milan, Italy

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

### Hero Team Promoter

GoPro EMEA GmbH

May. 2014 – Sep. 2019

Munich, Germany

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

## EDUCATION

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### BSc & MSc in Environmental and Land Planning Engineering

Politecnico di Milano

Milan, Italy

Sep. 2014 – Dec. 2020

**MSc:** Data structures, analysis & ML for environment - Advanced Statistics - Advanced GIS - Databases and Spatial SQL

“Spatial interpolation methods for producing high-resolution PM2.5 concentration maps in Milan, Italy”

**BSc:** Soil & groundwater remediation - Sustainability & LCA assessment - Climate change mitigation - Hydrology - Hydraulics - Geology

“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

International Baccalaureate (IB Diploma)

Brussels, Belgium

Sep. 2012 – May. 2014

## LICENSES

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Italian National Association of Engineers: 2021

## TECHNICAL SKILLS

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**Programming:** Python, JavaScript & shell  
**Web frameworks:** Flask, Django & Express  
**Database:** SQL, PostGIS & noSQL (MongoDB)  
**Cloud:** AWS, GCP & Azure  
**Development:** git, testing, docs & CI/CD pipelines  
**API:** HTTP, REST & GraphQL

**Data Science:** pandas, numpy, scikit-learn, tensorflow, matplotlib, seaborn, plotly, geopandas, rasterio  
**GIS & CAD:** ArcGIS & QGIS, AutoCAD, Civil3D  
**Business Intelligence:** Power BI (M & DAX)  
**Writing:** LaTeX, Markdown & reStructuredText  
**Web:** HTML & CSS

## PERSONAL SKILLS

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

**Interests:** skiing, surfing, road-cycling and outdoors. Cartography, infographics and mapping. Tech and AI.

**References and letters of recommendation available on request.**