



# Giorgio Caizzi

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## EXPERIENCE

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### Environmental Engineer

AECOM URS Italy S.p.a.

Feb.2021

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

Wiseair S.r.l.

Mar. 2020 – Dec. 2020

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

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

May. 2014 – Sep. 2019

Munich, Germany

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

## EDUCATION

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### MSc in Environmental and Land Planning Engineering

Politecnico di Milano

Milan, Italy

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

Politecnico di Milano

Milan, Italy

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

International Baccalaureate (IB Diploma)

Brussels, Belgium

Sep. 2012 – May. 2014

## TECHNICAL SKILLS

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**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<sup>A</sup>T<sub>E</sub>X, Markdown & reStructuredText

**Web** HTML & CSS

## PERSONAL SKILLS

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

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

## LICENSES

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Italian National Assotiation of Engineers 2021

References and letters of recommendation available on request.