



# Giorgio Caizzi

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## EXPERIENCE

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### 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

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### 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

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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 Association of Engineers (2021)

References and letters of recommendation available on request.