



# Giorgio Caizzi

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 : [giorgio-caizzi](https://www.linkedin.com/in/giorgio-caizzi)  
 : [giocaizzi](https://github.com/giocaizzi)

## 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.