

# Giorgio Caizzi

4 - 09 - 1995 | Milan, Italy  
+39 340 8247713 | [giocaizzi@gmail.com](mailto:giocaizzi@gmail.com)  
[linkedin.com/in/giorgio-caizzi/](https://www.linkedin.com/in/giorgio-caizzi/)

## EDUCATION

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### Politecnico di Milano

Milan, Italy

*MsC in Environmental and Land Planning Engineering*

*Sep. 2018 – Dec. 2020*

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

### Politecnico di Milano

Milan, Italy

*Bachelor in Environmental and Land Planning Engineering*

*Sep. 2014 – Mar. 2018*

Thesis: “Estimation of the environmental and economical impact of Case dell’Acqua, a purified and 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*

## EXPERIENCE

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### Environmental Engineer

Feb.2021

*AECOM URS Italy S.p.a.*

*Milan, Italy*

- Technical environmental consultancy on “D.Lgs.152/06”, the Italian law on environmental protection
- Automation of spatial data analysis, elaboration and restitution.
- Field experience of groundwater monitoring and soil investigation techniques and procedures.

### 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.

- Independent and remote collaboration.
- Automated Python processing of geographical database features.
- Development of a Python tool to produce high-resolution PM2.5 concentration maps to assess compliance with health guidelines in Milan, Italy.

### “Citycrusher” Team

Sep. 2017 – Sep. 2020

*Red Bull S.r.l.*

*Milan, Italy*

Managing independantly the brand-activation of *Red Bull Citycrusher* event-car - a custom 4x4 car equipped with DJ booth and speakers - in selected sport events in Italy.

Worked at: Red Bull Art of Motion, Red Bull Neymar Jr’s Five, Red Bull Skateweek, Red Bull Dance your style, FIS WorldCup SeiserAlm, FIS EuropaCup Mottolino, UCI Finale Ligure, RockInMountains, Milano Climbing Expo, Oakley Carpi Criterium & more

### “Hero Team” Promoter

May. 2014 – Sep. 2019

*GoPro EMEA*

*Munich, Germany*

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

Worked at: MotoGP Misano & Mugello, Tour de France, FIS World Cup Finals Meribel, FISE Montpellier, MXGP Maggiora & Arco di Trento, MXON Ernée, UCI Lourdes, EICMA Milano, Red Bull Crashed-Ice Marseille, Red Bull Soap-Box Paris & more

## SKILLS

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**Languages:** Fluency in Italian (mothertongue) and English. French at intermediate level.

**Softwares:** ArcGIS & QGis, Adobe Creative Suite, Microsoft Office **Cloud:** Amazon Web Services & GitHub actions

**Programming:** python, shell scripting **Writing:** L<sup>A</sup>T<sub>E</sub>X , Markdown and StructuredText **Version Control:** git, github

**Python libraries:** pytest, pandas, numpy, scipy, matplotlib, statsmodels, geopandas, shapely, rasterio, sphinx

**Personal interests:** skiing, surfing, road-cycling and outdoors. Photography.

## LICENSES

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**Italian National Assotiation of Engineers:** Exam passed on November 2021.

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