



MICHELE  
CONTE

## GEOLOGIST

### Profile

I am fresh graduate geologist.

### Contact

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### Languages

**ENGLISH  
CERTIFICATES:**  
CAMBRIDGE  
ASSESSMENT  
ENGLISH: B1

### Skills

#### Windows operating system

Advanced **Petrel**  
Advanced **ECLIPSE**  
Advanced **ENVI**  
Advanced **ESRI**  
Advanced **Surfer**  
Advanced **DISGAS code**  
Advanced **Python**  
Intermediate **Matlab**

## About me

I'm a resolute and curious person, dealing with tasks with passion and professionalism.

Enthusiasm, initiative and dynamism have always pushed me to move forward both in my studies and in my life.

I try to set goals to be achieved: once reached, I look for something that allows me to grow personally and professionally.

I adapt easily to new environments and new working framework, for this reason I am really interested in working both in Italy abroad.

## Work Experience

Stage 2019

Italian Geochemical Society

Location: Vulcano Island, Italy

I've been conducting activity of subsurface gas-sampling. In particular evaluation of soil CO<sub>2</sub> flux, fumarolic flows, diffuse and remote sensing flows. Tools used for direct measurements were miniDOAS, MULTIGAS, alkaline traps, Solid three-phase traps. Tools for airquality measurement were THERMO for H<sub>2</sub>S- SO<sub>2</sub>, PICARRO for CO<sub>2</sub>-CH<sub>4</sub> and LUMEX for HgO.

Traineeship 2019

INGV - National Institute of Geophysics and Volcanology

I carried out research activities about the management and analysis of geochemical data in GIS environment. I realized a georeferenced database of natural gas measurements in an anthropized environment and the subsequent elaboration of emission maps.

## Academic Publications

- Granieri, D., Carapezza, M. L., Bisson M., Conte, M., Ranaldi, M., Tachini, L. (2020) "*Carbon Dioxide Diffuse Emission from the Soil at Cava dei Selci (Colli Albani, Rome): two decades of observations and preliminary gas hazard assessment*". Miscellanea INGV ISSN 1590-2595, 204-205. Oral presentation, Rittmann Conference.

## Education

International Master “CO <sub>2</sub> Geological Storage” University La Sapienza, Roma / University of Zagreb	2019-2020
MSc in Geosciences and geotechnologies University of Pisa	2016 – 2019
BSc in Geology Roma Tre University	2012 - 2016
Scientific High School Diploma	2007 - 2012

## Thesis

### MSc Post-Graduated Thesis Numerical Modelling of CO<sub>2</sub> Storage

**Title:** Fluid flow simulation in the Cornelia reservoir

**Description:** This thesis work presents a study on a fluid flow simulation in the Cornelia reservoir, located in the Adriatic that represents a possible CCS (Carbon Capture and Storage) site. Thanks to the use of Matlab and MRST (*MATLAB Reservoir Simulation Toolbox*) it was possible to perform fluid flow simulation and quantify the total CO<sub>2</sub> injected volume into Cornelia reservoir.

**Duration:** 3 months (July – October )

### Master Thesis Geomatics/Geochemistry

**Title:** Multidisciplinary approach for the study of natural gas emission from soil hazard in a anthropized area: the case of Cava dei Selci, Colli Albani (Rome)

**Description:** Starting from the realization of a georeferenced database of a series of measurements relating to the flow of CO<sub>2</sub> from the ground onto a fixed grid of points, it was possible to evaluate the hazard through the use of DISGAS code to produce georeferenced digital maps of the plume’s dispersion.

**Duration:** 6 months (April – October 2019)

### Bachelor’s Degree Thesis in Geochemistry

**Title:** Study of the realese of natural gas in inhabited area of the Albani Hills through measurements of the flow from the ground and concentration in the air.

## Hobbies & interests

I love travelling and visit new countries.

I have the APR pilot certificate issued by ENAC (Italian Civil Aviation Authority)

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