Manuele Bettoni

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EDUCATION

University:

October 2019-To date
Università degli Studi di Pavia (University of Pavia)
Phd Student within the project "SoilScape - What makes a soil landscape robust? Assessment of landscape sensitivity in relation to land use changes in a southern Alpine valley (Ticino, Switzerland)".

University:
Degree:

2016-2018
Università degli Studi di Pavia
Bilingual master's Degree (Italian – English) in Applied Geological Sciences LM-74.

Score:

110/110 with honors.

Experimental thesis:

"Digital photogrammetry for analysis of fractured rock masses".
Supervisor: Professor Cesare Perotti.

University:
Degree:
Score:
Experimental thesis:

2013-2016
Università degli Studi di Pavia
Undergraduate degree in Geological Sciences L-34.
109/110.
"Topographic analysis of the fast breakdown of a lateral moraine at the Belvedere Glacier (Macugnaga, Italy)".

Supervisor: Professor Roberto Seppi,
Co-Supervisor: Doctor Andrea Tamburini (IMAGEO srl).

High School:
Certificate:

2009-2013
High school "Marconi-Galletti"
Secondary School Diploma in Industrial engineering specialized in the mining industry.

Score:

90/100.

WORK EXPERIENCE

March 2019-To date
The Leibniz Institute for Agricultural Engineering and Bioeconomy - Potsdam, Germany
Scientific researcher within the project SoilScape.

November 2018-February 2019
GdTest Srl – Corso Casale 239, Torino, Italy
Private internship and collaboration within the project "Autonomous Remote Sensing "as a photogrammetrist with the objective of building digital photogrammetry models of confined spaces".

February 2018-September 2018
Università degli Studi di Pavia
Digital photogrammetry hands-on outdoor experience developed over this period, during and for the preparation of the master's thesis. Took part in numerous measurements both ground based and using drones. The measurements have consequently been used to obtain some of the main geomechanical parameters for rock classification.

March 2017-September 2018
Università degli Studi di Pavia
Tutor (120 hours in total) for the class of "Physical Geography and Cartography" at Earth and Environmental Sciences Department.

2016
Università degli Studi di Pavia
Hands-on manual experience with tools such has laser scanner and GPS to perform topographic surveys.

PERSONAL AND PROFESSIONAL SKILLS

LANGUAGES

Italian (Native)

English (Intermediate proficiency)

RELATIONSHIP SKILLS

In my relationship with others and within all the teams I have worked with, I have always thrived. Through all my professional work and volunteering experiences I have gained a lot of benefits in terms of new knowledge about people and diversity.
As a tutor and volunteer worker, I have had many opportunities to assist many students and volunteers in their personal and professional growth always obtaining what I consider satisfying results.

ORGANISATIONAL SKILLS AND ROLES

(AMBULANCE VOLUNTEERING)
I am involved with the association "Gruppo Volontari Ambulanza Macugnaga" located in my hometown, covering multiple roles as: ambulance technician (non-medic), Vice President of the association, member of the Board of Directors , and in charge of managing the training for new volunteers.

TECHNICAL SKILLS

Advanced proficiency in the use of computers running Windows and in the use of Microsoft Office (Word, Excel and Power Point).

Advanced proficiency with QGIS software (Open-source) for the analysis of georeferenced within the GIS environment.

Advanced proficiency with Agisoft Photoscan software, for building photogrammetry models.

Advanced proficiency with SAGA software, for the analysis and processing of data in the GIS environment.

Intermediate proficiency of CloudCompare for the processing and visualization of point cloud data and mesh textures.

DRIVING LICENSE

Driving License B (European)

Pavia, 23/10/2019   *Manuele Bettoni*