

PERSONAL INFORMATION

Andrea Vergnano



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WORK EXPERIENCE

01/11/2019–Present

PhD Student - Geophysics

Politecnico di Torino, Torino (Italy)

Geophysics applied to:

- bioremediation of contaminated sites, using Time-domain reflectometry and Open-ended coaxial cable
- melting of glaciers and permafrost, using GPR and a novel GPR-drone prototype
- hydrogeology in arid environment for water exploitation

01/02/2019–31/10/2019

Scholarship for Research Activity in Geophysics

Politecnico di Torino, Torino (Italy)

- Study of Time Domain Reflectometry on bioremediated soils.
- Chemistry lab activity
- Gas Chromatography
- Data analysis and numerical modelling
- Educational activities for students
- Scientific paper writing

EDUCATION AND TRAINING

10/2013–28/11/2018

Master's degree in Environment and Land Engineering

Politecnico di Torino, Torino (Italy)

After discussing my thesis about " Analysis of biodegradation of diesel in contaminated soil using laboratory scale tests" I received a final mark of 110/110

01/09/2008–30/07/2013

Classical Liceum

Liceo classico Cavour, Torino (Italy)

PERSONAL SKILLS

Mother tongue(s)

Italian

Foreign language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	C1	B2	B2	C1
PET with Merit					

French	A2	B1	A2	A2	A2
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Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
 Common European Framework of Reference for Languages - Self-assessment grid

Communication skills - Great interest and passion in managing interpersonal relations.
 - Training and education skills, learned through years of private teaching to high school students.

Organisational / managerial skills - Good team-leading ability, learned during research and group works at university.

Job-related skills - Proficiency in working in a chemistry lab, learned during reseach experience about polluted soils.
 Use of spectrophotometer, knowledge of gas cromatography.

Digital skills	SELF-ASSESSMENT				
	Information processing	Communication	Content creation	Safety	Problem-solving
	Proficient user	Proficient user	Independent user	Proficient user	Independent user

Digital skills - Self-assessment grid

- Good command of Office suite.
- Good knowledge of most operating systems (Linux - use of terminal, Windows, Android, iOS).
- Basic programming in C, Matlab, Python.
- Basic knowledge of Autocad and graphic tools like GIMP and photoshop.
- Engineering softwares: Visualmodflow, Risc5, Risk-net, openLCA, Surfer, Aqtesolv, ENVI.
- Music softwares: Finale, Musescore, LMMS, Garageband.

Driving licence B

ADDITIONAL INFORMATION

Projects I volunteered in a project, "Escape4change", in collaboration with LVIA and Eufemia NGOs, which consisted in the realization of an escape room. The setting of this game is a desert in Africa: one of the goal of the project is making players become more aware of climate change consequences.

I am a pianist and a music composer, and i'm working in a CD realization.

Sports - I can swim, ski, hike and bike. I practice judo.