

## FEDERICO AMBROGIO

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Date and place of birth: 20/05/1991, Turin, Italy

### PERSONAL STATEMENT

MSc in civil engineering (geotechnical) at Polytechnic university of Turin. Determined, flexible, teamwork oriented and open minded approach person. Strong interest and passion in the civil engineering constructions, especially underground works.

### EDUCATION

2013 - 2015	<b>M. Sc., Civil Engineering (Geotechnical), Politecnico di Torino, Turin, Italy</b> Correlations between TBM-EPB drive parameters and surface settlements using artificial neural networks.  Supervisors Prof. D. Peila, Prof.ssa M. Barbero, Ing. G. Eccher Mark 107/110
2010 - 2013	<b>B. Sc., Civil Engineering, Politecnico di Torino, Turin, Italy</b> Thesis title Determination of optimal runway orientation by wind analysis. Application to Turin "Sandro Pertini" airport.  Supervisor Prof. M. Bassani Mark 100/110
2005 - 2010	<b>Technical High School, Alvar Aalto, Turin, Italy</b> Mark 97/100

### EXPERIENCE

07/2015- 12/2015	<b>Undergraduate student, SWS Engineering S.p.A.</b> Involved in the research and development project "Smart Tunnelling": risk management methods and tools for design and execution of underground works in urban areas.
02/2015- 04/2015	<b>Internship, Gruppo Ingegneria Torino s.r.l.</b> Involved in structural, infrastructural and geotechnical design, technical drawings, reports and cost estimations. Tender documents and contracts.
03/2014- 06/2014	<b>Part-time collaboration, Politecnico di Torino</b> Student tutor, revision of the applications during the course of "road infrastructures", owner Prof. M. Bassani.
10/2012- 01/2013	<b>Part-time collaboration, Politecnico di Torino</b> Student tutor, support in the applications during the course of "drawing", owner Prof. P. Novello.
Summer seasons from 2008 till 2011	<b>Fixed-term contract, Rari Nantes ASD</b> Lifeguard and maintainer in outdoor pools.

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**LANGUAGES**

*Italian* Mother tongue  
*English* **Level C1** in oral, speaking and writing.  
IELTS Certificate, 7.0 (2012)  
PET, pass with merit (2009)

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**COMPUTER SKILLS**

ECDL Patent, 2008  
Office (Word, Excel, Power Point)  
*CAD* AutoCAD 2D, 3D  
*Geotechnical* Rocscience (Phase 2, Rocsupport, Rocfall, Dips, Slide), Plaxis 2D  
*Structural* Lusas, SAP2000  
*Language* C, VBA  
*Other* Matlab

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**PERSONAL SKILLS**

Good capabilities in organization, team working and interpersonal relationships, acquired during my studies and work experiences.  
Motivated person, knowledge-hungry learner, eager to meet challenges.

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**AFFILIATIONS**

Junior member of SIG (*Italian Tunnelling Society*).

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**SEMINARS**

- "A Myth Dispelled: In Difficult Ground, the Time for Drill & Blast Excavation has Passed", The Robbins Company, April 2015;
- "Conventional tunnelling and ground reinforcing techniques", SIG & ITACET, Turin, January 2015;
- "Il Sisma in Emilia - Interventi e strategie per la ricostruzione", March 2013.

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**INTERESTS AND OTHER ACTIVITIES**

- Volunteer activity as ambulance driver and rescuer, Croce Verde Torino, since 2010. Gained "Allegato A" and "BLS-D" certification.
- Sport activities such as running, skiing and mountain hiking. In the past cycling and swimming at competitive level.

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**OTHER**

*Drive license* Category B

*I authorise the use of my personal data in compliance with Italian Legislative Decree 196/03.*

Turin, 10 December 2015

