**FABRIZIO FILIPELLO**

Citizenship: **Italian**

Birth date: **01-12-1992**

Home address: **Via argentero 42, 14022, Castelnuovo Don Bosco, Italy**

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**SKILL AND COMPETENCES:**

* Graduate junior geologist with 3 months of experience in different aspects of geotechnical engineering, Geology and Environment, according to the Italian Technical Standards and 6 months as GIS technician;
* Strong background in Soil Mechanics, Rocks, Aggregates and Fibres;
* Knowledge BS 5930 updated (2015) and BS 6031 updated (2009);
* Geotechnical laboratory tests: Triaxial test (UU), Particle size distribution, Proctor compaction and Resilient modulus test;

Geophysical investigations: MASW, Passive seismic –REMI, electrical resistivity tomography (2D,3D) - Full Waver, Syscal Pro and Multi Source method (IRIS instruments);

* Multidisciplinary skills: Geological, Geotechnical and Environmental Engineering;

**EMPLOYMENT AND EXPERIENCE:**

* **From: 22/07/2019 to 26/ 07/2019: Field Geophysicist (Montemurro-Basilicata (Italy))**
* **Main duties:**
* Handling geophysical acquisition with Syscal Pro and Multi source (ERT-Electrical Resistivity Tomography);
* Ability to work in a team (it was composed by UNIPR (University of Parma) and OGS (National Institute of Oceanography and Experimental Geophysics - <https://www.ogs.trieste.it/en> );
* Name of the project: **Celico\_2018\_CT\_ENI VAL D’AGRI**;
* **From: 01/01/2017 to 22/ 06/2017: GIS Technician (University of Cambridge-Department of Earth Sciences- Cambridge)-** <https://www.cam.ac.uk/>
* **Key duties and responsibilities:**
* Production of Geological Maps using ArcGIS software (10.2.2);
* Elaboration of a Guide- Book for excursion in Burwell (East Anglia);
* Knowledge of Chalk Landscape;
* Communication with Internal and external parties (Geological Organization – CASP);
* **From: 01/02/2015 to 01/ 05/2015:** **Stage as Geology student (Genovese and Associati- Turin, Italy)-** <https://www.genoveseeassociatigeologiaeambiente-torino.it/>
* **Skill acquired:**
* Field Tests: Plate load test, Standard penetration test and Cone penetrometer test;
* Hydrogeological test: Piezometers;
* Geophysical investigations: MASW and Passive seismic- REMI;
* Soil testing: Particle size distribution: sieving;

**EDUCATION AND PROFESSIONAL QUALIFICATIONS:**

* **From 25/09/2018-PRESENT: MSC IN GEOLOGICAL SCIENCES (LM-74) (University of Parma, Italy)**

**-** <https://cdlm-stg.unipr.it/it>

* **From 27/03/2018: CSCS YELLOW CARD - CONSTRUCTION SITE VISITOR (Birmingham-UK) -** <http://www.constructionsupport.co.uk/cscs-card/yellow-visitor/>

**- Module passed**: Operatives CITB-Health, Safety and Environmental test;

* **From: 25/09/2017 to 01/09/2018: MSc IN GEOTECHNICAL ENGINEERING (University of Birmingham) -** <https://www.birmingham.ac.uk/postgraduate/courses/taught/civil-engineering/geotechnical-engineering.aspx>

**- Module passed:** Ground Investigation-Grade C; Underground Construction-Grade C-;

**-** **Dissertation**: Use of fibre reinforced sand in road pavement construction- Grade C+

- **Grade**: Postgraduate Diploma in Geotechnical Engineering (PGDip).

* **From 27/01/2017 to PRESENT: GEOGRAPHIC INFORMATION SYSTEM LICENCE (E.C.D.L GIS)- Course run by Italian Association for Computerisation and Automatic Calculus (A.I.C.A)- Turin;**
* **Module passed**: M1-Cartographic Representation (score: 83%);
* **From: 07/07/2017 to 14/09/2017: PRE-SESSIONAL COURSE (University of Birmingham);**
* **Skill acquired:**
* Critical thinking skills;
* Seminar and Presentation skills;
* Ability to write academically;
* Skills for working independently and with others;
* Note taking;
* Referencing;
* Personal Academic research paper: Evaluation of one Geotechnical and one Geophysical technique for monitoring the groundwater level in the United Kingdom – 2.500 words;
* **Grade**: 68/100;
* **From 18/09/2016 to 20/06/2017:** **PRE-MASTER & PRE-MBA PROGRAMME (E.F Cambridge school) -** <https://www.ef-italia.it/pg/vacanze-studio/inghilterra/cambridge/>
* **Skill acquired:**
* Write academic paper;
* Statistical Analysis;
* Strategic Management;
* Models for Industry Analysis;
* **Grade**: 58/100;

* **From 25/09/2012 to 13/07/2016:** **BSc IN GEOLOGICAL SCIENCES (University of Turin**) - <https://geologia.campusnet.unito.it/do/lezioni.pl> **Dissertation:** *“Geophysical techniques for P and S waves for geotechnical characterization of Monferrato (Italy) area*”.
* **Grade**: 2:2 or 94/110;
* **From 01/12/2015 to 01/ 03/2016: EUROPEAN COMPUTER LICENSE (E.C.D.L FULL STANDARD) – Course run by Italian Association for Computerisation and Automatic Calculus (A.I.C.A)- Turin.**
* **Modules Passed:** Computer Essentials, Online Essentials, Word Processing, Spreadsheets, IT

Security, Presentation and Online Collaboration;

* **September 2016:** **CERTIFICATE OF TRAINING IN** **PYTHON LANGUAGE PROGRAMME- Turin;**
* **September 2011: CERTIFATE OF TRAINING IN PREVENTION AND SAFETY AT WORK ACCORDING TO THE ITALIAN D.LGS. (81/08)- Turin;**

**TRAINING:**

* **MIDLAND GEOTECHNICAL SOCIETY REPORTS (Grade released by University of Birmingham):**
* Mineral extraction in the West Midlands- Grade A-;
* Inner Doha re-sewerage implementation strategy: Tunnelling in the middle east- Grade B+;
* New Mexico city international airport: challenges of building on virgin Texas lake- Grade A-;
* Geotechnical design of the design of HS2- Grade C;
* **From 25/02/2019 to 26/02/2019: ArcGIS (10.5) course held by university of Padova (Italy);**
* **From 23/10/2019 TO 25/10/2019: Expert environmental Sampler held by Foldtani Srl (Desio-Italy);**

**OTHER JOBS:**

* **From 15/05/2019-present:** REPRESENTATIVE OF SCVSA DEPARTMENT & REPRESENTATIVE OF THE UNIFED GEOLOGY COURSE (UNIVERSITY OF PARMA, ITALY);
* **From 19/10/2018 to 04/07/2019**: TEACHER-PRIVATE LESSONS OF ENGLISH (PARMA-Italy);
* **August 2018:** SIMULTANEOUS INTERPRETER (ENGLISH/ITALIAN) AT THE FESTIVAL OF QUILTS 2018 (BIRMINGHAM) FOR ITALIAN COMPANY: “LE TORRI”;
* **From 25/****01****/2018 to 15/06/2018****:** BIRMINGHAM PROJECT 2018 AS A TEACHING ASSISTANT (UNIVERSITY OF BIRMINGHAM AND EXTERNAL BUSINESS PARTNER: Transport for West Midlands (TfWM);
* **From 10/10/2017 to 01/09/2018:** POSTGRADUATE AMBASSADOR SCHEME (UNIVERSITY OF BIRMINGHAM);
* **From 01/06/2017 to 09/2017****:** CLASS REPRESENTATIVE (UNIVERSITY OF BIRMINGHAM);
* **April 2017:** SPEAKER (WORKSHOP) - According to law 107/2005- school/work Program - B-HAPPY CAMBRIDGE SCHOOL (UK);
* **Theme:** Earthquakes around the East of England;

**OTHER INFORMATION:**

* **Computing:** QGIS, ArcGIS, MATLAB, Python, Advanced Microsoft Office, Open Office, Internet, LaTex, MIDAS GTS NX (twin tube tunnels), Microsoft project (Business plan) Image J (2D porosity), Kingdom software 2018 (seismic profiles) and AutoCAD (base);
* **Administration:** I have the certifications to manage and administer buildings in Italy – A.R.A.I ASSOCIATION NUMBER S19CA324.
* **Driving Licence-B category;**
* **Languages:** Italian (mother tongue) – English (Fluent-B2 LEVEL-IETLS);
* **Communication:** Experienced at giving presentation (Italian and English) to large international audiences and comfortable in multicultural environment;
* **Organisation:** Time management, Problem solving, positive attitude, quick learning ability and Leadership;
* **Study grant based on merit (2010-2011)- Turin;**
* **Study grant based on merit (2011-2012)- Turin;**
* **Eligible university reimbursement on merit (2018-2019)-Parma;**
* **Eligible university award on merit (2018-2019)-Parma;**
* **Press agency:** My career has been published on these Italian newspapers**:** “**Corriere di Chieri**” and “**Valore Italiano**”;

**MEMBERSHIPS:**

 **-** Italian Geotechnical Association (A.G.I);

 **-** Building reviser association (A.R.E.C.O.N.D-Italy);

 **-** *References available upon request-*