


PERSONAL INFORMATIONS

Federico Pruiti Ciarello



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 federico-pruiti

Gender Male | Date of birth 18/01/1990 | Nationality Italian

PERSONAL PRESENTATION

My name is Federico Pruiti, I am a young engineer, graduated with honors in the structures and geotechnics section at the University of Catania. I am a dynamic and enterprising person, curious and lover of knowledge and these qualities push me to improve continuously, both professionally and humanly. I have received training that allows me to tackle the problems that are posed to me with method and dedication and to perform the tasks with extreme professionalism and seriousness. The course of study undertaken gave me an adequate background of knowledge both in the field of civil engineering design and in the design of geotechnical structures. I am specialized in analysis and design of RC, Steel, Masonry and Timber structure and in calculation tunnels, retaining structures and earthworks. I am passionate in FEM modeling and therefore try to improve my skills, delighting in the use of the main structural and geotechnical modeling software. During my different work experiences, I have improved my knowledge and skills about design of civil structure and topographic topographic surveys. I also have excellent problem solving skills, a predisposition to autonomous work planning and the ability to cope with unexpected events and complications. I like traveling, I love challenges and I am always looking for new position that give me the opportunity to increase my professional skills and my personal experiences. The Civil Engineering is my great passion and I'd like to become a great engineer.

PROFESSIONAL EXPERIENCES

12/2018-in progress



**STRUCTURAL AND GEOTECHNICAL ENGINEER at:
AC2 srl - Advanced Consulting**

Zafferana Etnea (CT) - 95019 - Via delle Ginestre 50- Italia - Tel: +39 095 709 3536

website: <http://www.actwo.net/it/>

Activity or sector: Infrastructure Design

Main Activities:

- Structural Calculation;
- Geotechnical Design;
- Topographic Surveys.

08/2018-11/2018



**CIVIL ENGINEER at:
Consorzio Stabile Progettisti e Costruttori (CPC)**

Maletto (CT) - 95035 - Via Bonina 12 - Italia - Tel: +39 095 6176414

e-mail: consorzioabilepc@libero.it

Activity or sector: Project e Construction Management

Main Activities:

- Assistance to the Technical Director;
- Analysis and control of metric calculations;

- Supervision and Assistance to the Worksite;
- Technical Expertise.
- Call for tenders.

Managed Sites:

- URBAN REQUALIFICATION PROGRAM FOR N.60 SUSTAINABLE RENTAL LODGINGS SCIARE S. ANTONIO – BRONTE (CT);
- ADJUSTMENT WORKS OF DEPURATOR AND ADDUCTION CONDUCT OF CASTELVETRANO;
- INNOVATIVE PROGRAM IN URBAN ENVIRONMENT, WORKS FOR REALIZATION OF 15 POPULAR ACCOMMODATIONS - SAN CATALDO (CL).

10/2017-in progress



STRUCTURAL AND GEOTECHNICAL ENGINEER at:

Studio di Ingegneria Lo Castro & Partners

Randazzo (CT) - 95036 - Via Gaeta 54 - Italia - Tel: +39 095923369 / Cell. 3932697508

e-mail: studiotecnicolocastro@gmail.com

Activity or sector: Structural and Geotechnical Design and Structural Investigations

Main Activities:

- Structural Design of a steel fire escapement for the Sacco's department, Polyclinic of Milan (Software: Edilus-Acca).
- Structural Design of lamellar wood shed in the municipality of Randazzo (CT), (Software: Edilus-Acca).
- Structural verification of two steel buildings of the ENI service station in Cremona (CR), (Software: Edilus-Acca).
- Structural verification of the ENI service station in Tradate (VA), (Software: Edilus-Acca).
- Structural verification of the ENI service station in Botticino (BS), (Software: 3D Macro-Gruppo Sismica).
- Consolidation works of a retaining wall during incipient collapse by constructing an upstream micropile bulkhead, in the municipality of Botticino (BS): structural sizing and geotechnical modeling of the bulkhead, (Software: Plaxis VB).
- Seismic retrofit of the ENI service station in Gazzaniga (BG): design of the stabilization interventions on existing steel structure, (Software: Edilus-Acca).
- Structural analysis of the ENI service station in Trezzano sul Naviglio (MI), (Software: 3D Macro-Gruppo Sismica).
- Design and structural sizing of the foundation on plinths of an industrial warehouse to be built in the municipality of Sava (TA), (Software: Edilus-Acca).
- Improvement interventions of a masonry structure for B&B in the municipality of Randazzo (CT): structural modeling of the intervention proposal, (Software: 3D Macro, Gruppo Sismica).
- Design and structural sizing according to the NTC08 standards of a retaining wall to be built in the municipality of Randazzo (CT).
- Design of a RC Structural to be built in the municipality of Castiglione di Sicilia (CT), in via Archimede; CUSTOMER: Arcidiacono Concetto Davide, (Software: Edilus-Acca).
- Design multi-story building with RC in the municipality of Castiglione di Sicilia (CT), in via Stretto Consumatu; CLIENT: Arcidiacono Armando, (Software: Edilus-Acca).
- Design of the foundation plinth for the sign of the IP fuels station, located in the municipality of Lavis (Trento), (Software: Edilus-Acca).
- Verification of vulnerability and retrofit design of an existing building, located in the municipality of Torricella (TA), with reinforced concrete bearing structure, (Software: Edilus-Acca).
- Structural design for the renovation of the Medical Building and the Emergency Room of the Crema hospital: modeling of the new supporting structure, (Software: Edilus-Acca).
- Structural verification in the static and seismic field of a series of metal shelters for the ENI Fuel Stations in the municipalities of Binasco, Cologno Monzese, Mediglia, Mantua, Seriate, Sesto San Giovanni: FEM modeling of steel carrier truss, (Software: Edilus-Acca).
- Structural design of a new steel staircase, for residential building located in the municipality of Monza, (Software: Edilus-Acca).
- Design of a steel structure in the municipality of Bolgiano, (Software: Edilus-Acca).

- Structural design of some RC plates, to be used as industrial equipment bases, (Software: Edilus-Acca).
- Stability analysis under static conditions of a railway embankment, (Software: Plaxis VB).
- Structural investigations carried out on a building with reinforced concrete frame structure, located in the village of Floresta (ME).

10/2017-in progress **CIVIL ENGINEER - Freelancer**

Activity or sector: Structural and Geotechnical Design

Main Activities:

- Architectural design;
- Structural design of Concrete, Steel and Wood;
- Metric Calculations;
- Construction supervision.

Projects completed or in progress:

- *Progetto per la realizzazione di un nuovo fabbricato da destinare a locale deposito, all'interno del lotto sito in via Sangrigoli n. 33, contrada Murazzorotto, Randazzo, censito al catasto terreni al Fg. 49, Part.Ila 315; (COMMITTENTE: Sign.ra Anastasi Carmela).*
- Progetto di una struttura interrata da utilizzare come autorimessa per il deposito di mezzi e macchine edili, da realizzare nel comune di Randazzo (Feasibility Project).

01/2016-in corso **Collaboration at:**

Studio Tecnico Pruiti-Bonsignore

Randazzo (CT) - 95036 - Via Saitta 50 - Italia - Tel: +39 0950906017

e-mail: info@pruitibonsignore.it

Activity or sector: Topography and Land Registry

Main Activities:

- Topographic surveys with GPS;
- Preparation of Geometric Deeds of Land Registry (PREGEO);

04/2017-08/2017



TRAINING INTERNSHIP at:

Cooperativa Muratori e Cementisti (C.M.C.) Ravenna

Ravenna (RA) - 48122 - Via Trieste 76 - Italia - Tel: +39 0544 428111

<http://cmcgruppo.com/cmc/>

Building Site: Misterbianco (CT) - 95045 - Via Pilata 42 - Italia - Tel: +39 095 7558911

Activity or sector: Constructions of the new metro line Nesima-Misterbianco

Main Activities:

- Analysis of TBM parameters;
- Report on the subsidence induced by the excavation;
- Drafting thesis.

10/2016-01/2017



TRAINING INTERNSHIP at:

Studio di Ingegneria Ing. Daniele Bisignani (NTC Ingegneria)

Randazzo (CT) - 95036 - Via Galliano 6 - Italia - Tel: +39 095 921582

Activity or sector: Civil Engineering

Main Activities:

- Modeling of civil structures in steel and reinforced concrete with Tekla Structures;
- Vulnerability study and Push-Over analysis of reinforced concrete structures using the ProSap software;
- Stabilization of road embankment: modeling with Plaxis 2D.

05/2014-07/2014



TRAINING INTERNSHIP at:

Sigeo Drilling S.r.l.

Linguaglossa (CT) - 95015 - Piazza Municipio 6 - Italia - Tel: +39 095 647684

<http://www.sigeodrilling.com/index.php>

Activity or sector: Geognostic and Geotechnical in situ tests

Main Activities:

- Geotechnical characterization of soils and rocks ;
- On-site geotechnical tests: continuous core drilling, SPT tests, Down-Hole, MASW, Geoelectric tests;
- Interpretation of seismic signals .

EDUCATION AND TRAINING

10/2014 -10/2017



Master's Degree in Structural and Geotechnical Civil Engineering grade 110/110 cum laude

Livello 7

University of Catania - Department of Civil Engineering and Architecture (Dicar)

Città Universitaria – Via Santa Sofia, 64 – 95123 Catania

Tel: +39 095738 2513 / 2278, Telefax: +39 095330309

<http://www.dicar.unict.it/>

Master's degree thesis:

“Stability Analysis of tunnel excavated with TBM EPB: the case studio of the new metro line of Catania”.

Experimental thesis in Geotechnics developed in collaboration with C.M.C. Ravenna .

Supervisor: Prof. Eng. Maria Rossella Massimino

Main subjects: Construction Technique, RC-Structures, Steel Structures, Structural Design in Earthquake Zones, Inelastic Analysis, Dynamics of Structures, Computational Mechanics, Masonry Structures, Project of Bridges, Foundations, Retaining structures and Slopes Stability, Soil Mechanics and Dynamics.

24/03/2017 **Professional Course: Timber Structures** Livello 2
 University of Catania - Department of Civil Engineering and Architecture (Dicar)
 in collaboration with "Promo Legno".
www.promolegno.com

01/2015-04/2015 **Thesis correlator in Agricultural Sciences and Technologies:
 "Project for the reuse of a traditional Etna rural building to be used for agritourism"**
 University of Catania - Department of Agriculture, Food and Environment (Di3A)
Supervisor: Prof. Eng. Giovanni Cascone

10/2009 -11/2014 **Bachelor's Degree in Civil Engineering
 grade 110/110 cum laude** Livello 5



University of Catania - Department of Civil Engineering and Architecture (Dicar)
 Città Universitaria – Via Santa Sofia, 64 – 95123 Catania
 Tel: +39 095738 2513 / 2278, Telefax: +39 095330309
<http://www.dicar.unict.it/>

Bachelor's degree thesis :
 "Geotechnical characterization and seismic analysis of Briga Superiore's soils (ME)".
 Thesis in Geotechnics developed in collaboration with Sigeo Drilling Srl.
Supervisor: Prof. Eng. Ernesto Motta

Main subjects: Topography, Technical Architecture, Science and Technology of Materials, Science and Technique of Construction, Hydraulics and Hydraulic Infrastructures, Transport and Road Design, Geotechnical and Geotechnical in the defense of the Territory.

09/2003 -07/2009 **Scientific high school diploma
 grade 100/100**

 High School "Ven. Ignazio Capizzi"
 Corso Umberto, 279 – 95034 Bronte (CT)
 Tel: +39 095-6136100, Telefax: +39 095-693499
<http://www.iscapizzi.gov.it/>

PROFESSIONAL SKILLS

Mother tongue Italian

Other language

	COMPREHENSION		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	A2/B1	A2/B1	A2/B1	A2/B1	A2

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user
[Common European Framework of Reference for Languages](http://www.cedefop.europa.eu)

Communication skills Excellent interpersonal skills acquired during university courses, good ability to work in teams and good communication skills.

Organisational / managerial skills Excellent organizational and planning skills acquired during the university career, excellent interaction skills, versatility and adaptability to new situations.

IT / professional skills Excellent knowledge of the Windows operating system.

Frequent use and excellent knowledge of Microsoft Office tools:

- Microsoft Word
- Microsoft Excel
- Microsoft Power Point

Good knowledge of structural and geotechnical software calculation, 2D and 3D drawing, BIM and land registry software:

- **Drawing Software:** Autocad 2D e 3D
- **Structural Software:** SAP 2000
ADINA
ProSap (2S.I. Software)
Edilus (Acca Software)
3D Macro (Gruppo Sismica)
CDS win (STS Software)
- **Geotechnical Software:** Plaxis 2D e 3D
Flac 2D (basic knowledge)
ADONIS
STRATA
EERA
- **BIM Software:** Tekla Structures
- **Italian Land Registry Software:** PREGEO

Good knowledge of the following programming languages:

- C (basic knowledge)
- MATLAB (conoscenza avanzata)
- VBA (basic knowledge)

Digital skills

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

Levels: Basic user - Independent user - Proficient user
[Digital competences - Self-assessment grid](#)

Other skills Good knowledge of the GPS system and ability to perform surveys using topographic GPS instrumentation.

Driver's license B

PERSONAL SKILLS

Qualification as an engineer Qualified as a Engineer, Section A, Civil and Environmental Sector, in 20/12/2017.

Register of Engineers Signed up to the Register of Engineers of the Province of Catania, with the number A7460.



Membership associations

Individual member of the Italian Tunneling Society (**SIG**).Società Italiana Gallerie
Italian Tunnelling Society

Enabling safety on construction sites

Enabled to perform the role of security coordinates (120 hours module) according to the Italian Legislative Decree 81/08 - Annex XIV . (CERTIFICATE N. INGEN16000000151, PROT.LLO 1103818086639).

Notes

Availability for transfers and business transfers on national and international territory.

Personal Notes

In compliance with Regulation (EC) n. 45/2001 of the European Parliament of 18 December 2000, I hereby authorize you to use and process my personal details contained in this document;

Sign

