

CURRICULUM VITAE

PERSONAL INFORMATION

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Position: Graduate Student, Department of Structural, Geotechnical, and Building Engineering, Polytechnic of Turin, C.so Duca degli Abruzzi 24, 10129, Turin, IT
Visitor Scholar, Department of Civil and Environmental Engineering, PEER, UC Berkeley, 325 Davis Hall, 94720, Berkeley, US
Objective: To obtain a full-time position as a civil engineer

EDUCATION

GRADUATE EDUCATION

Period: 24/10/2013 – 21/04/2014
Course: Joint Research Project
University: UC Berkeley
Topic: “Analysis of economic resiliency to natural disasters from individual businesses to regions: the Bay Area case study”

Period: 26/10/2011 – 15/07/2014 (expected)
Course: AM in Structural Engineering
University: Polytechnic of Turin
Thesis: “Analysis of economic resiliency to natural disasters from individual businesses to regions: the Bay Area case study”
Grade: 110/110 (expected)

Period: 09/09/2008 – 18/10/2011
Course: Bachelor’s Degree in Civil Engineering (3 years)
University: Polytechnic of Turin
Thesis: “Analysis of post-fire scenarios and evaluation of possible recovery operations in reinforced concrete structures”
Grade: 105/110

HIGHER EDUCATION

Year of achievement: 2008
High School Diploma: Second Level College of Science

LANGUAGES

Mother tongue Italian
Other Languages English (professional level): PET certificate pass with Merit
French, basic knowledge.

COMPUTER SKILLS

- Operating Systems: Windows/Macintosh.
- Excellent knowledge of the Office package and others similar programs.
- Good knowledge of AutoCad 2010 and Matlab.
- Good knowledge of SAP2000 and similar programs used for structural analysis and building design.

OTHER SKILLS, COMPETENCES AND WORK EXPERIENCE

OCCUPATIONAL FIELD Civil/Structural Engineering

AVAILABILITY Full Time

RESEARCH Since May 2013 I have started a research program focused on “Economic Resilience of communities at different levels” in collaboration with PEER center at UC Berkeley. Related to this research are three papers that I submitted with my Italian and US advisors:

- Martinelli D., Mahin S., Cimellaro G.P., Terzic V. “Analysis Of Economic Resiliency Of Communities Affected By Natural Disasters: The Bay Area Case Study.” Proceedings of the 4th International Conference of Building Resilience, London, UK.
- Cimellaro G.P., Martinelli D., Renschler C. (2014). “Different Approaches to Model Economic Dimension of Community Resilience.” Proceedings of the 10th National Conference in Earthquake Engineering, Earthquake Engineering Research Institute, Anchorage, AK.
- Cimellaro G.P., Martinelli D., Renschler C. (2014). “Quantification of the Economic Resilience from the Community Level to the Individual Business Level: The Bay Area Case Study.” Proceedings of the Structures Congress 2014, ASCE, Boston, MA

Even if this research is not strictly related to my academic path it has been helping me find practical to complex problems. I improved my ability to grasp the essentials of any situation quickly, come up with workable ideas, and then communicate them clearly and persuasively.

Currently I am at UC Berkeley, thanks to a research scholarship won in September 2013, where I am completing research which is a large joint project between UC Berkeley and Polytechnic of Turin. I am working at the PEER (Pacific Earthquake Engineering Centre) under the supervision of Prof. Stephen Mahin. In these months I am auditing courses two course thanks to which I am getting stronger knowledge of problems close to the business analysis field and also to the Structural Engineer.

APPRENTICESHIP

I completed a 300 hours apprenticeship in small engineering study in Turin. Even if this was an unpaid apprenticeship, I joined this opportunity to get more experience about the profession.

SKILLS

During the traineeship before my time at UC Berkeley, I learned how to create websites. I designed the Sub-Committee DRSIC Website (a committee certified by the ASCE society).

Website: <http://areeweb.polito.it/ricerca/ICRED/index.html>

TEAM ACTIVITIES

I've always been interested in the EERI activities since May 2013 and I'm directly involved as a President of EERI Student Chapter in Turin in all the activities and research programmes sponsored.

During my academic years I took extra credit courses which helped me gain experience and skills useful for entering the engineer career with a firmer foundation. One of these activities in particular was the analysis and design of a

steel projecting roof. It was a team activity which connected people towards a common goal and in which I learned to solve differences of opinion within a group. Another similar activity was the design of a ten-storey concrete building situated in a “virtual” seismic zone considering different structural archetypes. This project taught me how to deal with practical engineering issues. It also increased my ability to work within a team and understand how to take the best advantages from the team activities. Moreover, during this project I gained a deep knowledge of the SAP2000 software.

ADDITIONAL EXPERIENCE I supported myself in academic years playing in a soccer amateur team. This experience allowed me to not excessively bear down on my parents from the economic point of view. Moreover it has developed my ability to socialize and relate within a group. I spend at least three to four hours a week in the gym, I like to take care of my body and my health.

I have experience in the agriculture field I have often helped my grandfather in the care of his property and in all the activities related to "farm" life. This type of activity has allowed me to develop the knowledge and skills of those manual jobs useful in everyday life and taught me the importance and difficulty of this job.

I have experience with office administrative tasks as I won two student collaborations at Edisu Piemonte. While in the first I did purely office tasks (archive, controls, etc.) in the second I was assigned the task of supervising study hall managed by Edisu in Via Verdi, Torino.

From March 2013 to October 2013, I collaborated with a security company (EUROSOLUTION srl, Milan). In particular I was employed in the security department of an important boutique Dolce&Gabbana. This part-time job together with soccer helped to ease the costs incurred by my parents for the support of my studies. Although not related to my educational path, it was a job that taught me various responsibilities and allowed me to meet many people.

From 2013, I am Associate Member of ASCE (American Society Of Civil Engineers) and of EERI Torino Student Chapter (Earthquake Engineering Research Institute).

EXAMS

UC Berkeley

- 1) Statistics 21: Introductory Probability and Statistics for Business
- 2) CEE 227: Earthquake Resistant Design

AM in Structural Engineering

#	Data	Esame	Credits/Vote
1	02/02/2012	Idrologia	8/27
2	16/02/2012	Costruzione di strade, ferrovie e aeroporti	8/30
3	21/02/2012	Fondazioni	8/30
4	10/07/2012	Tecnologia dei materiali da costruzione	6/30
5	16/07/2012	Geomatica	6/25
6	12/09/2012	Scienza delle costruzioni II	8/23
7	19/09/2012	Teoria e progetto delle costruzioni in c.a. e c.a. precompresso	8/30
8	07/02/2013	Instabilità statica e dinamica delle strutture	6/25
9	28/02/2013	Ingegneria Sismica	8/27
10	02/07/2013	Teoria e Progetto delle strutture in acciaio e composite	6/28
11	03/07/2013	Geotecnica Sismica	6/30
12	23/07/2013	Plasticità e frattura	8/28
13	19/09/2013	Tirocinio (300h)	12/sup
14		Teoria e Progetto di Ponti	8
15		Calcolo Automatico	6

BA in Civil Engineering

#	Data	Esame	Crediti
1	23/01/2009	Lingua inglese I livello	5
2	27/01/2009	Disegno	5
3	03/02/2009	Analisi matematica I	10
4	15/06/2009	Geometria	10

5	23/06/2009	Informatica	5
6	25/06/2009	Geologia e geomorfologia	5
7	29/06/2009	Fisica I	7.5
8	18/01/2010	Analisi matematica II	7.5
9	22/01/2010	Meccanica razionale	7.5
10	03/02/2010	Fisica tecnica	7.5
11	10/02/2010	Chimica	7.5
12	16/06/2010	Scienza e tecnologia dei materiali	5
13	22/06/2010	Diritto ed economia nei lavori pubblici	5
14	12/07/2010	Topografia I	5
15	22/07/2010	Architettura tecnica	5
16	14/09/2010	Scienza delle costruzioni	10
17	11/02/2011	Fondamenti di infrastrutture viarie	5
18	17/02/2011	Geotecnica	10
19	21/02/2011	Sistemi giuridici	5
20	21/02/2011	Fisica II	7.5
21	03/03/2011	Elettrotecnica e impianti elettrici	5
22	07/03/2011	Idraulica	10
23	30/06/2011	Tecnica delle costruzioni	5
24	06/07/2011	Cantieri e impianti per infrastrutture I	5
25	07/07/2011	Cantieri e impianti per infrastrutture II	5
26	14/07/2011	Laboratorio di tecnica delle costruzioni	5
27	20/09/2011	Laboratorio di sintesi	5