

FABIANA BARBERIS

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OBJECTIVE: full time position / internship as **Civil Structural Engineer**

EDUCATION

University of California, Berkeley 2014-present

Visiting Student Researcher at PEER (Pacific Earthquake Engineering Research Center)

Research topic: Resilience-based design of structure. *Fragility Curves of Restoration Processes for Resilience Analysis.*

MSc. Politecnico di Torino, Italy 2012-expected July 2015

Civil Engineering, specialized in Structures

BSc Final thesis: *Biomimetic: learning from Nature how to design new optimized structures*

EXPERIENCE

Sunlice Team Polito for Solar Decathlon Europe, Torino-Paris, 2013-2014

<http://www.sunlice.polito.it/>

- Team-work experience in an international competition that challenges collegiate teams to design an innovative solar house that is energy independent
- Leading the structural designing team and managing responsibility matters for the structural design of the building
- Communication skills developed during business meetings with sponsor companies
- Cooperating and communicating with students from other fields of studies and competences
- Capability of working under pressure and meeting deadlines
- Developing creative structural design solution to meet the competition requirements
- Problem solving experience addressing issues such as density, mobility, sobriety, innovation, affordability, local context.

BASIS Volunteer, Berkeley, Jan 2015-present

CRS Community Resources for Science

- Engaging elementary school students in real-world science careers and issues
 - Explaining design process to students and developing with them a prototype to provide them trial/ error skill.
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SKILLS

College Exams and competences (not all of them are listed below):

Base design of infrastructure, Bridge Design, Construction of roads railways and airports, Construction site and machinery for infrastructure, Earthquake Engineering, Reinforced and Pre-stressed Concrete design, Science and Technology of building materials, Foundations, Geology, Geotechnical Engineering, Law and Economy in Public Works, Prefabricated Structures, Static and Dynamic Instability of Structures, Plasticity and Fracture Mechanics, Topography.

COMPUTER SKILLS

Matlab R2011b, AutoCAD, Finite Element Analysis, SigmaPlot12.3, Knowledge of C programming language

LANGUAGES

Italian : mother tongue

English: professional

AWARDS

Scholarship from Politecnico di Torino “Donna Professione Ingegnere” 2009

Scholarship meant for outstanding High-School female students who wanted to start engineering/scientific undergraduate studies