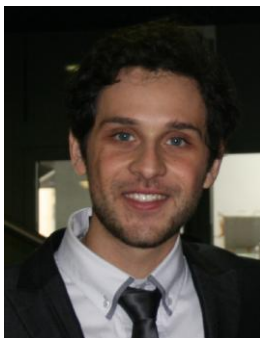


EUROPEAN  
CURRICULUM VITAE  
FORMAT



PERSONAL INFORMATION

Name  
Address  
  
Telephone  
E-mail  
Nationality  
Date of birth

**MATTIA ZAMMARCHI**

**mattia.zammarchi@gmail.com**

Italian

10/02/1987

WORK EXPERIENCE

- Dates
- Name and address of employer
- Type of business or sector
- Occupation or position held
- Main activities and responsibilities

1-11-2014 1-11-2015

**Università degli Studi di Brescia**

**Facoltà di Ingegneria Civile**

Via Branze, 21 Brescia, Italy

**Multiscale Mechanics and Multiphysics of Materials Lab - <http://m4lab.unibs.it>**

Temporary Research Fellow

Fracture Mechanics, SIFs, BEM, FEM, Mathematica, C++

- Dates
- Name and address of employer
- Type of business or sector
- Occupation or position held
- Main activities and responsibilities

18-02-2014 28-11-2014

**Università degli Studi di Brescia**

**Facoltà di Ingegneria Civile**

Via Branze, 21 Brescia, Italy

**Research**

Collaborator

Analytical Integration of high order terms in Strongly and Hyper - Singular Kernels for fracture mechanics. The activity is carried out within the research: "Initiation and propagation of fractures in the presence of hydrogen" (DalmineCT2014 - Dott. Ing. Alberto Salvadori) (Implementation with Wolfram Mathematica). Study of the propagation of fracture in 3D, with particular reference of developing new suited high order Boundary Elements.

Realization of website [m4lab.unibs.it](http://m4lab.unibs.it)

- Dates
- Name and address of employer
- Type of business or sector
- Main activities and responsibilities

01/01/09-23/03/10

**Università degli Studi di Brescia**

**Facoltà di Ingegneria Civile**

Via Branze, 21 Brescia, Italy

**Stage for Bachelor Degree in Geotechnical Laboratory**

The main work of the thesis of Bachelor's Degree focused in the study of the possible presence of differential subsidence in the Church of Santa Maria Nascente in San Paolo. In particular,

"I authorize the treatment of my personal data pursuant to Dlgs 196 del 30 giugno 2003"

were executed a campaign of geological surveys in situ and in the university's laboratory (CPT tests, coring, granulometric and densimetric analysis, oedometric tests). Measurements of fracture's opening with LVDT sensors and analysis of thermal cycles with thermocouples, of damaged areas of the building.

- Dates
- Name and address of employer
- Occupation or position held
- Main activities and responsibilities

01-09-2006 up to date  
**Arredamenti 3fz**  
Via Rovato, 25 Castrezzato, Italy

#### **Collaborator**

Interior Design  
Realization and maintenance of website [www.arredamenti3fz.it](http://www.arredamenti3fz.it)

### **EDUCATION AND TRAINING**

- Dates
- Name and type of organisation providing education and training
- Principal subjects/occupational skills covered
- Title of qualification awarded
- Level in national classification (if appropriate)

23/03/2010-17/02/2014  
University of Brescia, Engineering Faculty

Finite Elements, Design of Seismic Resistant Structures A+B, Dynamics of Structures A, Limit Analysis of Structures, Design of Steel Structures 1+2, Design of Reinforced and Prestressed Concrete Structures 1+2, Foundations, Structural Rehabilitation A+B, Structural Design B, Design of Building Services A+B, Probability and Statistics, Retaining Structures, Mathematical Analysis C, Scientific Computing, Computer Science B, Experimental Physics C

**Thesis title:** "High order boundary elements in three-dimensional fracture mechanics"

**Civil Structural Engineer**  
**Master Degree in Civil Engineering**

- Dates
- Name and type of organisation providing education and training
- Principal subjects/occupational skills covered

18/09/2006-23/03/2010  
University of Brescia, Engineering Faculty

Structural Design A, Geotechnical Engineering A+B, Engineering Geology, Statics, Solid Mechanics, Principles of Structural Design, Strength of Materials, Hydraulics A+B, Hydraulic Structures, Hydraulic Infrastructures A, Introduction to Thermodynamics and Heat Transfer, Technical Evaluation and Urban Planning A, Transportation Techniques and Economics, Architectural Basic Drawing, Architectural Technology, History of Architecture I, Surveying A, Sanitary-Environmental Engineering, Water and Waste Treatment Processes, Economic Evaluation of Projects, Business Economics and Organization, Algebra and Geometry, Mathematical Analysis A+B, Rational Mechanics, General Chemistry, Experimental Physics A+B, Computer Science A, History of Technology

**Thesis title:** "Interpretation of crack front in the Church of Santa Maria Nascente in San Paolo"

**Civil Engineer**  
**Bachelor Degree in Civil Engineering**

- Title of qualification awarded
- Level in national classification (if appropriate)

### **PERSONAL SKILLS AND COMPETENCES**

MOTHER TONGUE

**ITALIAN**

OTHER LANGUAGES

**ENGLISH**

- Reading skills
- Writing skills
- Verbal skills

INDEPENDENT USER - LEVEL B1  
INDEPENDENT USER - LEVEL B1  
INDEPENDENT USER - LEVEL B1

SOCIAL SKILLS AND COMPETENCES	Ability to work in a team in order to reach the goal set by the group, ability acquired at university, during the periodo of collaboration and also, during the preparation of projects for some exams. Available for work experiences abroad
ORGANISATIONAL SKILLS AND COMPETENCES	Highly organized; dynamic; excellent planning skills with great attention to detail and ability to prioritize work. Ability to work individually and organize the work. During the period of collaboration at the university, I was able to organize the work recognizing my own responsibilities.
TECHNICAL SKILLS AND COMPETENCES	High predisposition to the acquisition and deepening of new concepts. Knowledge of the main design codes (Eurocodes, Ntc)
COMPUTER SKILLS AND COMPETENCES	Microsoft Office Suite: Word, Excel, Power Point (advanced) Autocad (advanced) Telaio 2D, TraveCon, VcaSlu, Profili, SimQke, 1Camp (Prof. Gelfi Software) Straus7, Abaqus (basic) Mathematica (advanced), Matlab (basic) Html,Css (Advanced), Java (basic), Visual Basic (basic) LaTeX (Advanced)
ARTISTIC SKILLS AND COMPETENCES	Play Piano Photography Design of website
DRIVING LICENCE(S)	B