

Jaume Roca

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EDUCATION

- Sep 2005 – Feb 2013 **Universitat Politècnica de Catalunya– Barcelona, Spain**
MSc in Civil Engineering
- Specialization in structures and transport
 - Five-year programme after which the highest civil engineering degree is obtained
 - Final year dissertation: Technical and economic interest in the use of steel slags in the railway subgrade
 - Final year project: Construction project of a by-pass road in Gandesa, Spain
- Sep 2010 – Jun 2011 **University of Bristol– Bristol, United Kingdom**
Exchange programme
- Took civil engineering (structures and computer analysis) and management courses
- Jul 2012 – Aug 2012 **Tongji University- Shanghai, China**
- Participated in a summer course in Tongji University regarding urbanism issues
 - The course was sponsored by the Chinese government

WORK EXPERIENCE

- Feb 2013 – Present **Comsa Emte – Barcelona, Spain**
Project assistant
- Work as an engineer in the technical department
 - Technical support to site works (Railways & Civil Engineering)
 - Structural calculations
- Jul 2011 – Feb 2013 **Comsa Emte – Barcelona, Spain**
Internship: Assistant to the Head of research and development
- 12-month internship in a Top 10 Construction firm in Spain
 - Worked in the management of projects regarding energy efficiency in buildings in the context of the Framework Program 7 of the European Commission
 - Wrote new proposals drafts for innovation projects
 - Participated in the 'Barcelona Smart City World Expo' within the stand of Comsa Emte
- Jun 2010 – Aug 2010 **Casa Milà, – Barcelona, Spain**
Visitor assistant coordinator
- A vacation job in one of the highlights of Barcelona and one of the most famous buildings of Gaudí
 - Main tasks included organizing the visitors tour and led the assistants' team during the shift
- Jan 2007 – Jun 2010 **Azafatas de Barcelona– Barcelona, Spain**
Congress hostess
- Worked in a part-time job in several international congresses as a hostess
 - Organized events, dealt with high public figures and managed movement of people

LANGUAGE AND COMPUTER SKILLS

<i>Language</i>	Spanish Catalan	Native Native	English German	Fluent, Cambridge CAE (June 2012) Intermediate level (B1)
<i>Computer skills</i>	MS Excel, MS PowerPoint, MS Word, MS Project, MATLAB, AutoCAD, Plaxis (soil finite element analysis), CYPE (structural software), ROBOT (Finite element for structures)			

ADDITIONAL INFORMATION

- Social* **Mentor** of first year students of engineering (Enginycat programme): leading physics workshops for approximately 20 first year University students and coaching them
- Awards* Active member of the **International Students Society** at the University of Bristol
- I was awarded the 3rd BASF prize for my *Execution of the support layer of the Prat dock project*