

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 in which topics such as urbanism and transport were discussed.
 - The course was sponsored by the Chinese government

WORK EXPERIENCE

- Feb 2013 – Present **Comsa Emte – Barcelona, Spain**
Project assistant
- Work as an engineer at the technical and innovation department of Comsa Emte
 - In charge of the organization and writing of the white book of the efficient mobility within the working group of smart mobility at the CEEC (Clúster d'eficiència energètica de Catalunya)
 - Writing and developing ideas for proposals of innovation projects about infrastructures and transport topics. Most projects are done within the framework of the FP7 and H2020 calls, although some of them rely on Spanish loan programs driven by CDTI
 - Elaboration of deliverable documents for the innovation projects
 - 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

LANGUAGE AND COMPUTER SKILLS

<i>Language</i>	Spanish Catalan	Native Native	English German	Fluent, Cambridge CAE (June 2012) Intermediate, Zertifikat Deutsch (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*

References available on request