

JEROME MARQUET

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PROFILE

Civil engineer, multilingual, with Master in Statistics, MBA and experience in steel structures calculation, flexibility analysis of piping systems, and analysis of pressure vessels for the industry. Handle of software for structure calculation and piping flexibility analysis. Participation in development and achievement of new business opportunities by attending business meeting as a technical referent, and redacting bid documents.

Considered to be a responsible and honest person that fulfills the objectives respecting the deadlines and budgets. I'm a team player and I can also work individually.

WORK HISTORY

Cockerill Maintenance & Ingénierie, Cmi Industrial Boilers (Belgium)
Structural and Piping engineer

2015-2018

Job description:

Support the project and sales team in all matters related to piping, structure and mechanical calculation, at all stage of the project (offer, design, erection of the installation).

Achievements:

- I performed preliminary structural calculation in order to support the sale team estimate the amount of steel to be considered in its offers.
- I performed mechanical calculation for boiler parts related to erection of the boiler (lifting lugs, temporary steel structure for erection, buckstay, saddle...).
- I gave advice to 3D designer related to piping routing prior to analysis by subcontractor.
- I ensure the follow up of the subcontractor activities related to piping analysis and steel structure calculation.

Studybel, Bocard Group (Belgium)
Design engineer

2010-2013

Job description:

Piping flexibility analysis for industrial applications, Supporting definition, Pressure vessels analysis, Steel structure design for industry, Writing calculation notes, Pressure drop analysis.

Achievements:

- I performed flexibility analysis for different types of piping system.
- I created and implemented several Excel files (some of them including VBA Macro) intended to design different parts of pressure vessels in accordance with ASME VIII div 1 that made the design process easier in the company, and enabled to write calculation note automatically and saving time.
- I created and implemented several excel files in order to validate piping classes for a client in accordance with ANSI B31.1
- I created and implemented an Excel file intended to calculate pressure drop in an industrial piping system.
- I supported the commercial team of the company by writing offers and visiting clients in order to promote the company
- I managed the coordination between Studybel and Bocard France for project where both business units were implicated.

SPX Cooling Technologies Belgium (Belgium)
Structural engineer

2008-2010

Job description:

Steel structure design for air cooling condenser, Writing calculation notes, Piping flexibility analysis for industrial air cooling condenser.

Achievements:

- I learnt by myself how to handle software for steel structure calculation (Robot Structural Analysis and RFEM).
- I learnt by myself how to handle software for piping flexibility analysis (Algor Pipe pack).
- I designed structures for air cooling condenser to be erected in different parts of the world (Italy, Trinidad and Tobago, USA, China, The Netherlands, Algeria) applying different calculation codes.

Johnson & Johnson Belgium (Belgium)
Statistician

2007-2008

Job description:

Developing statistical models for data sets analysis in order to assess if a patients having HIV is treatment-resistant.

Achievements:

- I developed programs in Matlab with the aim of solving data classification problems using LDA theory (Linear Discriminant Analysis).
- I learnt to work in an international environment where I had to speak in three languages (English, Spanish, and Dutch) with professional from all over the world.

Permasteelisa Central Europe (The Netherlands)
Assistant Site Manager

2006-2007

Job description:

Assisting the site manager for projects of erection of glass and aluminum facades. Sites in Luxemburg.

Achievements:

- I participated in the coordination between Permasteelisa and the General contractor for several projects, interacting with sub-contractors.
- I participated in the day to day evaluation of the progress of the facade erection and in the invoicing process.

EDUCATIONAL HISTORY

- MBA T.C., Universidad de los Andes, Bogota, November 2014.
- Civil engineer in Construction, Université Libre de Bruxelles, June 2005.
- Master of Sciences in Statistics, Katholiek Universiteit Leuven, June 2006.
- Participation in the ERASMUS student exchange program in Spain, Universitat Politecnica de Catalunya (Escuela Técnica Superior de Ingenieros de Caminos, Canales y Puertos de Barcelona, ETSICCPB), September 2004 to February 2005.
- Mechanical Behavior of Materials (MITx 3.032), Edx Honors certifications, December 2014

- Introduction to Probability-The Science of Uncertainty (MITx 6.041), Edx Honors certifications, May 2015
- Foundation of Data Analysis (UTAustinx UT.7.01), Coursera, February 2015
- R Programming (Johns Hopkins University), Coursera,
- Bayesian Statistics: From Concept to Data Analysis, Coursera, August 2015
- UCCS Math Online Program: completion certificate in Theory of Numbers, May 2016

COMPUTER SKILLS

- Office (Outlook, Excel, Word)
- R
- Robot Structural analysis
- Caesar II
- Autocad
- Matlab

LANGUAGES

- French, Mother tongue.
- English, fluent
English courses, Eurocenter Vancouver, July 2005 - August 2005.
- Dutch, very good.
- Spanish, fluent.
Spanish courses, Instituto Cervantes de Bruselas (general, grammar, philosophy), 2005-2008.