

NATHALIE MORENO

CIVIL ENGINEER

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SUMMARY OF QUALIFICATIONS

- Highly responsible and dedicated civil engineer, with +1 year of experience in the structural area.
 - Strong ability to identify alternative approaches and solutions to complex problems, as well as, interact with individuals at all levels
 - Ability to rapidly understand and analyze structural related problems.
 - Multilingual with good communication skills in the following languages: Spanish (Native), English (Fluent) and French (Advanced-DELF B2)
 - Solid technical aptitudes, using the following softwares: ETABS, SAFE, SAP2000, ROBOT, STAAD.PRO, ABAQUS, AutoCAD, Microsoft office, apple iwork and e-mail
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EDUCATION

MASc IN CIVIL ENGINEERING | RYERSON UNIVERSITY

SEPT. 2017 – JAN. 2019

- Specialization: Structural Engineering and Materials - GPA: 4.00/4.33
- Research Area: Seismic analysis of concrete spherical shells
- Graduate Assistant: Structural Concrete Design II

SPECIALIZATION | INESA TECH – CIVIL ENGINEERING SCHOOL **MAR. 2017 – SEPT. 2017**

- Specialization in structural and seismic engineering using SAP2000, ETABS and SAFE

BSc IN CIVIL ENGINEERING | UNIVERSITY OF ZULIA

MAY 2010 – APR. 2016

- Magna Cum Laude - GPA: 18.3/20.0
 - Research Area: Durability of Concrete
 - Award for the Best Thesis on Construction Engineering: Prize “Ing. Rafael Hernandez Fuenmayor”
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WORK EXPERIENCE

PROJECT ENGINEER | PROINCI

APRIL 2016 – MAY 2017

- Evaluated different types of existing structures: reactor, storage tanks, steel buildings, and proposed the rehabilitation process for their deficiencies.
- Developed precise technical data sheets in order to ensure accurate analysis, reduce the time of standard process and therefore increase the efficiency.
- Designed different types of structural elements: Shallow foundations, steel connections, steel structures and ladders, for the development of 4 major projects.
- Prepared reports regarding construction material quantity calculations, in order to determine the suitability of a project.
- Conducted site visits and prepared technical reports for various projects

- Collaborated with a multidisciplinary engineering team to design the Electric Power Plant at the Paraguana Refinery Complex, representing also the Company during meetings and discussions.

INTERNSHIP | PROINCI

AUG. 2014 – OCT. 2014

- Designed water and gas pipe systems for schools and high schools, as part of the Urban planning project “New City Fabricio Ojeda”
- Developed earthworks design and calculations using Land Desktop and AutoCAD, as a preliminary stage for the installation of power generation units.

PROJECT EXPERIENCE | UNIVERSITY OF ZULIA

FEBRUARY 2015

- Collaborated with 7 engineering students to organize from conception to completion the anniversary of the Civil Engineering School.
- Coordinated all logistical aspects of the conferences and activities, being sure everything ran properly.

CERTIFICATIONS

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| • Analysis, design and detailing of RC and composite structures using Robot Structural Analysis Professional Software (Endorsed by: INESA TECH) | 2017 |
| • Design of Shallow Foundations (Endorsed by: PROINCI) | 2017 |
| • Comparison between intermediate and special reinforcement of RC Columns, according to ACI 318-14 (Endorsed by: PROINCI) | 2016 |
| • 1st Congress of technical update of Civil Engineering (Endorsed by: Universidad de la Guajira) | 2015 |
| • 5th national congress of pathology and restoration of reinforced concrete structures (Endorsed by: Latin American Association of Quality Control, Pathology and Restoration of Constructions-ALCONPAT) | 2013 |
| • Autodesk AutoCAD (Endorsed by: MD Service, and certified by AutoDesk) | 2010 |

COMMUNITY INVOLVEMENT

REHABILITATION PROJECT TO IMPROVE THE INFRASTRUCTURE OF A PUBLIC SCHOOL IN MARACAIBO CITY | UNIVERSITY OF ZULIA

2015

- Carried out a deep evaluation of the condition of the school, in order to identify the necessary activities to solve the deficiencies of the institution.
- Developed a topographic survey of the school to serve as a base map for this and future projects.
- Represented the University of Zulia during meetings with the School staff and municipal institutions, in order to provide the best solutions for all the parties.
- Prepared a report that included all the stages and necessary information to carry out the rehabilitation project, including the necessary drawings for its execution.