



MAJID SERHAL

GRADUATE CIVIL ENGINEER

EXPERIENCE

05/18-08/18 ● DESIGN AND SITE ENGINEER AT RY FOR CONSTRUCTION, 3 Months inter Project management:

- Assisted project manager in two projects: the first project consisted of constructing a municipality building with a budget of 600000\$, the second project consisted of constructing a religious building with a budget of 1000000\$.
- Participated in elaborating the planning of the project and in defining milestone, and prepared BOQ's.
- Managed material suppliers such as steel and concrete in terms of quality, time and cost.
- Managed sub-contractors by defining their intervention plan and scope.

Site engineering:

- Inspected undergoing work on sites to ensure safety is respected by workers and sub-contractors.
- Inspected formwork, steel and concrete placing.
- Conducted concrete tests on site such as slump and compressive strength test to ensure the quality of our concrete.
- Checked materials employed by our X sub-contractors.

Design engineering:

- Checked the design calculation and construction plans.
- Performed design calculation to determine the required steel and concrete quantities to insure an optimal design in terms of quality and cost.
- Defined material technical specification.

06/15-09/15 ● SITE CIVIL ENGINEER AT KHATIB & ALAMI, 3 Months internship

- Worked on Beirut Terraces project as a consultant civil engineer.
- Checked the consistency of the site drawings used by the contractor with Khatib and Alami specifications and standards.
- Conducted field inspections such as verifying the number of top and bottom rebars as wells as the space between them, lap splice, spacer position, quality and condition and form work.
- Performed slump test on ready mixed concrete and extracted cylindrical specimens for compressive strength test.
- Monitored and ensured the application of safety rules on the site.

EDUCATION

2017-2018 ● MEng in Civil Engineering at the University of Ottawa with emphasis on structural and geotechnical engineering

Topics studied: Dynamics of structures, Loads on structures, Earthquake engineering, Unsaturated soil mechanics, Rock mechanics, Random vibration, Timber design, Advanced steel structures, Foundation engineering, Finite elements, Geotechnical hazard.

Projects: Simulation and analysis of a structure subjected to random vibration using **Matlab**, designing a Timber structure, Finite elements analysis of a structure using **ABAQUS**.

2010-2015 ● BSc & MSc in Civil and Environmental Engineering at Rafik Hariri University. Overall GPA 85/100 (A)

Topics studied: Advanced math and physics, advanced concrete, Advanced AutoCAD, Transportation, Construction material, Plan and specifications, foundation design, Project management, Technical and communication skills.

Projects: Design of a pedestrian bridge using **AutoCAD**, Development of a portable electronic system that assesses the quality of concrete on site using the speed of ultrasonic waves.

SOFTWARE SKILLS

Office Tools ★★★★★
C++/ VBA ★★★★★
AUTOCAD ★★★★★

WIN BEAM ★★★★★
S-Concrete ★★★★★
ETABS / SAFE (With a certificate) ★★★★★

LANGUAGES

ENGLISH ★★★★★

FRENCH ★★★★★

PROFILE

- MEng in Civil Engineering at the University of Ottawa.
- Ready to relocate anywhere within CANADA.
- Two professional working experiences as a Civil engineer at Khatib and Alami Consultant Company and RY for construction (international groups).
- Excellent communication, managerial and interpersonal skills, and very good technical background in the civil engineering field.
- Proficient in, among others, Office tools, AutoCAD, ETABS, ABAQUS and SAFE.
- Fluent in English, French and Arabic.

CONTACT

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