

Mohammad Ramadan

Beirut, Lebanon

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Experience

MA Contracting & Trading (Internship)

March 2024 – September 2024

Project Supervision and Execution (On Site)

- Oversaw the transformation of an old classroom into a modern biology lab and the construction of an external chemical storage cylinder room connected via an underground trench.
- Coordinated and supervised subcontractors, ensuring compliance with design drawings and project timelines.

Contracts and BOQ Analysis

- Reviewed project contracts to identify specific requirements and potential impacts on project execution.
- Calculated material quantities and prepared detailed cost estimates for the Bill of Quantities (BOQ).

Material Procurement and Cost Management

- Managed material procurement, ensuring timely delivery and adherence to project specifications.
- Reported and tracked expenses, including materials and worker salaries, to maintain budget accuracy.

Task and Workforce Allocation

- Scheduled daily tasks and assigned workers based on task criticality, optimizing resource utilization.
- Ensured efficient project progress by prioritizing critical milestones and maintaining clear communication with the team.

Civil Engineering Lab Assistant (Employment)

September 2020 – January 2025

- Prepared and operated lab setups for classes, assisted students during experiments, and managed equipment.
- Supported structural research, including concrete pipes tests, foundation loading tests, and geotechnical grouting experiments.
- Designed and improvised experimental setups to adapt research needs, reducing delays from equipment procurement.

Education

- **Bachelor's degree in Civil Engineering** 2020 – 2025
Lebanese American University (LAU) - Beirut, Lebanon

Engineering Research

Exploring the viability of sustainable concrete mix design using recycled materials

September 2024 – January 2025

- Developed a concrete mix incorporating 20% fine aggregate replacement with recycled football field rubber.
- Conducted compressive and flexural tests to evaluate the mechanical properties of rubberized concrete.

Design of a Wastewater Treatment Plant with Sewer Network

- Developed the entire treatment plant design, including each process involved in the treatment stages, ensuring environmental sustainability and efficiency.

Engineering Computer Skills & Knowledge

SewerCAD, MATLAB, Civil 3D, Water CAD, ETABS, RS2, Settle3D, Slide2, GPS-X, VISSIM, ROBOT, Primavera AutoCAD, SAP2000, Microsoft Office.

Languages

Native in **Arabic**. Fluent in **French** and **English**