

# Khaled Ghazal

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## Education

### Master's degree in Civil Engineering - Infrastructure Engineering

2023/2024

#### University of Lille - Polytech Lille - France

A top-tier program covering the design, construction, and analysis of railway, road, underground, maritime, and river infrastructures, as well as civil engineering structures. Advanced expertise in geotechnics and seismic engineering, with a focus on managing and optimizing complex infrastructure projects.

### Civil Engineering degree - (Structures and Buildings)

2018-2023

#### Lebanese University - Faculty of Engineering II - Roumieh

Degree accredited by the CTI (Commission des Titres d'Ingénieur), covering the fields of civil engineering with a focus on the design of reinforced concrete and steel structures and buildings. It includes the study of geotechnical and hydraulic works, as well as pavement design and transportation planning.

## EXPERIENCE AND SKILLS:

### AL Ghazal engineering and contracting

Lebanon

#### Structural engineer

January 2025 - Present

- Participated in the structural modeling and design of Rimas Project, a 5,000 m<sup>2</sup> reinforced concrete storage and factory, in accordance with ACI code requirements. Utilized ETABS and SAFE software for structural analysis and design.
- Supervised Rimas Project site works, including reinforcement placement and concrete pouring.
- Participated in the modeling and design of a five-story, 10,000 m<sup>2</sup> reinforced concrete mall featuring an expansion joint and a rooftop swimming pool.
- Supervised leveling and excavation works for the mall project in coordination with the surveying engineer, ensuring accurate site preparation.
- Designed a 125 m retaining wall along a main road and supervised on-site construction activities.

Lille - France

## THEOREMS

### Bridges and Infrastructure Engineer - FYP Internship

February 2024 - November 2024

- Modeled and designed structures using the finite element method in accordance with the Eurocodes.
- Verified and recalculated the load-bearing capacity of existing structures in response to loads induced by exceptional convoys.
- Calculated reinforcement for Bow-String bridge elements.
- Conducted detailed inspections of structures and prepared diagnostic reports, preliminary designs, and detailed cost estimates for the rehabilitation of damaged structures.
- Monitored sites and participated in meetings to ensure coordination, quality, and adherence to deadlines.

## PEER INTERNATIONAL CONSULTANTS

Beirut - Lebanon

### Structural Engineer - Internship

August 2022-November 2022

- Conducted advanced modeling and analysis of buildings and structures using ETABS, SAFE16, RDM6, and AutoCAD for complex structural evaluations.
- Analyzed and designed reinforced concrete slabs, beams, columns, and foundations in accordance with ACI 318 and ASCE standards, ensuring the safety and performance of the structures.
- Prepared detailed cost estimates, ensuring accurate estimation of costs and quantities for construction projects.

## Softwares:

- Autodesk Robot
- SAP2000
- ST1
- Primavera P6
- Graitec Advance
- SPCol
- Revit
- Talren
- ETABS
- Plaxis
- Autocad
- Ms Office
- SAFE
- Ring
- Rido

**Languages:** French (DELF B2); English (Fluent); Arabic (Native Language)

## Professional Expertise:

- Project Management and Construction Supervision.
- Structural Design and Analysis.
- Communication and negotiation
- Time Management.
- Team spirit
- Problem solving

## Certifications:

- AutoCAD & Revit from "Basementex Academy"
- Primavera p6 from "civil guide"
- Steel Structure Modeling using Autodesk Robot
- Licensed Engineer, Order of Engineers and Architects, Lebanon