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Location: Haret El Naameh – Mount Lebanon

Ali EL Sayed EL Hussein

CIVIL ENGINEER

Objective

As a dedicated and highly motivated Civil Engineer, I am seeking a challenging position within a reputable organization where I can leverage my technical skills and passion for sustainable infrastructure development. With a strong academic background and practical experience in project management, structural analysis, and construction techniques, I am committed to contributing to innovative engineering solutions. Notably, I achieved the **top rank** in my class, demonstrating my commitment to excellence and continuous improvement.

Education

- 2023-2024 **LEBANESE UNIVERSITY**
FACULTY OF ENGINEERING III [Hadath]
Masters Degree in **Public Works and Transportation**
 - 2019-2023 **LEBANESE UNIVERSITY**
FACULTY OF ENGINEERING III [Hadath]
Bachelor Degree in **Civil Engineering**
 - 2018-2019 **LEBANESE UNIVERSITY**
FACULTY OF SCIENCE
Computer Science
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Projects

1. . Design Reinforced Concrete Building (Villa)

- Architectural drawing using AutoCAD (plans and sections)
- Manual design
- Check of the manual design using Graitec OMD software, Etabs, Safe)

2. Design Reinforced Concrete Building (Building of 5 Floors)

- Architectural drawing using AutoCAD (plans)
- Structural drawings using Graitec OMD software, Etabs, Safe •
- Calculation of wind and snow loads.

3. Research in prestressed concrete about latest technology and the future of prestressed

4. Stormwater Management System for a Sustainable Housing Project in France

- Collaborated in a team of four to develop the water infrastructure in Noisy-leGrand (region in France) in collaboration with Dr. Marie-Christine Gromaire.
- Designed a stormwater management plan to prevent flooding and erosion.
- Employed SWMM (Storm Water Management Model) to assess runoff rates and volumes.
- Incorporated green infrastructure elements to promote sustainability NOTE: I get **Rank 1** for providing the best solution

5. Road design at Haret Saida

- Plan and vertical views using Civil 3D software
- Cross sections
- Design of Intersections (Rotary, T-Shape, Deceleration and acceleration)
- Design of Structural Performance using AASHTO code

6. Bridge design

- Design in Isostatic and Hyperstatic methods
- Design using reinforced concrete and deck slab
- Get BOQ of each case

7. Geotechnical Project

- Design and reinforcement of piles for a ten-meter excavation
- Analyze of Shoring system using **WALLAP** Software
- Design and reinforcement of piles for a building of 20 floor using **ALLPILE** software

8. AL Masood Residential Building – UEA (18 Floor)

- Service analysis on **ETABS** software to check seismic and wind loads.
 - Ultimate study to check all structural elements (Columns, Shear Walls, Beams, Slabs).
 - Slabs and Raft using **SAFE** software.
 - Piles Study using **Allpiles** Software
 - Staircase, Water tank and ramp using **ROBOT** software.
 - Shop drawing is on **REVIT** and **EXCEL**.
 - Costing and construction management using **PRIMAVERA** software
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Work Experience

• 2021-2022

Rubby Hills Contractor

I have been actively involved in a building project site that consists of a 4-floor structure with an integrated water tank.

During this work, I have gained valuable hands-on experience in various aspects of civil engineering and construction management. My responsibilities and learning experiences include: Site Supervision, Project Coordination, Quality Control, Construction Techniques, Resource Management, Documentation and Problem-Solving.

• 2022-2023

MJK Group Company

- ✦ Rehabilitation of Baalbek Slaughterhouse
- ✦ Construction of Channel at Aana and Kamed El Loz
- ✦ Preparing required files for Tenders including BOQ sheet
- ✦ Preparing schedules for this tender using Primavera software

• Oct,2024-Present

HESCO Engineering services

BIM Engineer / Structural Design Engineer UMLUJ Project (KSA), Remote from Lebanon

- Designed structural elements for buildings, channels, retaining walls, and infrastructure using Building Information Modeling (BIM) software.
- Collaborated with architects, mechanical engineers, and electrical engineers within a multidisciplinary BIM team to ensure seamless integration of all design components.
- Utilized advanced BIM tools to develop and maintain 3D models and construction documentation for structural elements, enhancing project efficiency and accuracy.
- Supported the design and coordination process remotely, ensuring compliance with local and international design standards and regulations

Software's

- AutoCAD
 - ETABS
 - Robot
 - SAFE
 - S-Concrete
 - CSI-detailing
 - Gritec OMD
 - Civil 3d
 - LISCAD
 - WALLAP
 - SWMM
 - Primavera P6
 - ALLPILE
 - Revit (Structure)
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Skills

- Proficient in AutoCAD, and Gritec OMD for drafting and modeling.
 - Proficient with structural analysis software like SAFE, Robot and ETABS.
 - Proficient in Liscad software.
 - Familiar with Civil 3d.
 - Knowledgeable about stormwater management using SWMM.
 - Strong analytical and problem-solving abilities.
 - Excellent teamwork and communication skills.
 - C language.
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Relevant Coursework:

- Structural Analysis and Design:
- Mechanics of soil (MDS)
- Geotechnical Engineering
- Project Management
- Environmental Engineering
- Topographic • Reinforced Concrete (1,2 and 3)
- Prestressed Concrete • Quality control
- Road and intersections
- Transport and traffic
- Pavement
- Marine Structure
- Bridges
- Underground Structure
- Plates and shells.

Extracurricular Activities:

- Participated in volunteer activities to support community development projects. (Nabea El Hayat association)
 - Attended workshops and seminars to stay updated with the latest industry trends.
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Languages:

- Arabic (Native Language)
 - English (B2 according to European portfolio language)
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Interests

- Technology
- Mass Construction
- Material Technology
- Soil Behavior
- Highways and Bridges Engineering.