



Ali Dandach

Civil engineer


A passionate civil engineer with experience in the design and management of diverse construction projects, including both structural and rehabilitation works. Skilled in efficient planning, problem-solving, and coordinating multidisciplinary teams. Committed to delivering innovative, practical, and sustainable engineering solutions while meeting deadlines and quality standards

Contact details

Ali DANDACH, lebanese, 25 years old.

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Software Proficiency

- **Etabs:** Civil engineering software for analyzing and designing building structures with load and constraint considerations.
- **Autocad:** CAD software for creating technical drawings in both 2D and 3D.
- **Safe:** Software for designing and analyzing slabs and foundations in reinforced concrete structures.
- **Robot:** Advanced software for simulating and calculating structure performance under various loads while meeting design standards.
- **S-concrete:** Specialized tool for sizing reinforced concrete elements according to loads and standards.
- **Revit:** BIM software for designing, planning, and managing construction projects.
- **GIS:** Tool for collecting, managing, analyzing, and visualizing geospatial data.
- **Microsoft Office:** Suite of productivity software for various office tasks.

Languages

- French
- English
- Arabic

Skills

- Material Analysis and Optimization
- Data Analysis and Reporting
- Problem-Solving and Innovation
- Collaboration and Communication
- Continuous Learning and Development

Degrees

2018-2023

Islamic University of Lebanon, Baalbak

Bachelor's Degree in Civil Engineering (bac +5 equivalent)

Graduation project

- Designed a 38-story building in Qatar for my Civil Engineering graduation project.
- Utilized industry-standard software tools including ETABS, AutoCAD, SAFE, and Robot Structural Analysis.
- Used ETABS for structural analysis and seismic assessment according to Qatari building codes.
- Employed AutoCAD for detailed architectural and structural drawings, facilitating coordination with stakeholders, and developed precise 2D and 3D drawings to visualize the building's layout and components.
- Generated construction documentation, including foundation and reinforcement detailing.
- Utilized SAFE for foundation system design and analysis, optimizing parameters and ensuring stability under various soil conditions.
- Integrated Robot Structural Analysis for advanced validation, including finite element analysis to assess structural elements and ensure compliance with performance criteria.

Trainings

- Water Quality and Treatment (Action Against Hunger)
- Camp Management
- Accountability and Beneficiaries
- Security (Handicap International)

Internships

● **1 August 2021- 1 November 2021**

HAMZA YOUNES FOR ENGINEERING AND CONSTRUCTION, Baalbak
Establishing a 2 story Building

During my first internship, I gained practical experience in civil engineering through involvement in site visits and inspections. I focused on establishing a 2-Storey Building, I carried out initial site surveys, accompanied senior engineers on inspections, and developed proficiency in software tools such as AutoCAD, and ETABS for project planning and analysis. Additionally, I honed my documentation and reporting skills, maintaining detailed records and assisting in progress reports.



Ali Dandach

Civil engineer

A passionate civil engineer who's focused on the design and management of infrastructure projects. Efficient planning and analytical skills, effective coordination of multidisciplinary teams and prioritizes deadlines. Committed to providing innovative and sustainable solutions to engineering challenges.

Internships - following

20 August 2022 - 15 November 2022

HAMZA YOUNES FOR ENGINEERING AND CONSTRUCTION, Baalbak

Residential-Commercial Building Project

In my second internship focusing on a residential-commercial building project, I engaged in extensive site visits and inspections to assess construction feasibility and ensure compliance with regulations. Collaborating with architects and engineers, I evaluated existing infrastructure and executed regular inspections during construction to maintain quality standards. Additionally, I meticulously documented site activities, deviations from plans, and progress reports, ensuring accurate reporting and compliance with regulatory requirements

Work experience

March 2024 - Present

Al Mabarrat Charity Organisation for Construction, Bekaa

Project Civil Engineer

- Supervised rehabilitation projects for diverse facilities such as hotels, gas stations, and community centers, ensuring high construction standards.
- Managed reinforced concrete works, including formwork, steel reinforcement, casting, and on-site inspections.
- Coordinated daily site operations, liaising with subcontractors, suppliers, and workers to maintain efficient project flow.
- Reviewed structural and architectural plans, proposing design adjustments when needed to meet site conditions.
- Ensured strict adherence to safety regulations, quality requirements, and project deadlines.

July 2023- January 2024

HAMZA YOUNES FOR ENGINEERING AND CONSTRUCTION, Baalbak

Civil Engineer (On site / Project Design)

- Designed and analyzed multi-story buildings using ETABS and SAFE, focusing on structural safety and code compliance.
- Assessed gravity, lateral, and seismic loads; optimized reinforced concrete elements with S-Concrete.
- Created detailed structural drawings and 3D models using AutoCAD, integrating design feedback.
- Collaborated with architects and engineers for smooth coordination and hazard mitigation.
- Managed material specifications and testing; used Excel for data analysis and reporting.

References

Available upon request