

Sarah El'dorr

STRUCTURAL ENGINEER

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PROFESSIONAL SUMMARY

Results-driven and motivated structural engineer with over 5 years of experience in the construction field including: modeling, structural analysis and detailing for building structures, prestressed concrete and water tanks; in addition to supervision and management on site. Seeks to enhance previous experience and apply the industry's best practices in a fast-paced construction development environment.

SKILLS

- **Engineering Software Skills:** ETABS, SAFE, S-CONCRETE, Beam-D, AutoCAD, Microsoft Office (Project, Word, Excel and PowerPoint).
- **Construction and Building Codes:** American Concrete Institute (ACI) and Uniform Building Code (UBC).
- **Languages:** Arabic (Native), English (Full professional proficiency).

WORK EXPERIENCE

Structural Engineer

Mar. 2020 - Present

Homitech • Beirut, Lebanon

- Worked on shop drawings for high-profile projects in Saudi Arabia for several months, meticulously ensuring adherence to project specifications, quality standards, and strict timelines.
- Developed detailed shop drawings in collaboration with design teams and contractors, incorporating precise measurements and construction details.
- Verified drawings for accuracy, consistency, and compliance with local regulations and client requirements.
- Coordinated closely with architects, engineers, and subcontractors to resolve design issues and ensure smooth project execution.
- Performed modeling, structural analysis and seismic design for large projects in Africa and Lebanon with floor areas above 1500 sqm each including towers, villas and swimming pools.
- Completed structural drawings within tight deadlines whilst ensuring verification of design results and coordinating with architects and electro-mechanical engineers.
- Completed as-built drawings for existing structures when needed after taking all the measurement and estimates required into account.
- Requested soil and concrete tests and made decisions of demolition of non-conforming structures or redesign for projects that had previous contractors.
- Handled site inspection and gave approvals for concrete pouring.
- Involved in developing renovation works and structural solutions for buildings affected by the recent conflict, addressing damage assessments and providing expert guidance for repairs and restorations.

Trainee Structural Engineer

Sep. 2018 - Jun. 2019

Prime Construct Company - Pearl 1161 • Ras Beirut, Lebanon

- Followed up with subcontractors daily.
- Monitored construction work schedules and wrote daily progress reports.
- Took charge of material procurement and statements of works.

EDUCATION

Bachelor of Civil Engineering (BE)

Oct. 2014 - Jun. 2019

Islamic University of Lebanon - Faculty of Engineering • Khaldeh, Lebanon

PROFESSIONAL CREDENTIALS

ETABS and SAFE Certificate: Issued in 2018 by Advanced Training Center.

Industry Workshop: Issued in 2019 by Islamic University of Lebanon and the Order of Engineers.