

Dr. Eng. Salman Haydar

Civil & Geotechnical Engineer | Ph.D. in Geotechnical Engineering

📍 Bagdad, Iraq

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Professional Summary

Experienced Civil Engineer with over 12 years of expertise in interior decoration supervision, geotechnical laboratory management, academic instruction, and structural design. Skilled in structural analysis and interior design supervision, with strong proficiency in AutoCAD, CSI SAFE, and ETABS. Holder of a Ph.D. in Geotechnical Engineering from Damascus University.

Education

- Ph.D. in Geotechnical Engineering, Damascus University – May 2023
- Master's in Geotechnical Engineering, Damascus University – Aug 2017
- B.Sc. in Civil Engineering, Damascus University – July 2013

Publications

- Preparing Laboratory Model for a Pre-Fabricated Friction Pile Driven in Sand in Natural Gravity (1g) – Damascus University Journal for Engineering Science, 02/03/2022
- The Effect of Changing the Shape of Cross Section on Bearing Capacity of Precast Concrete Model Piles Driven in Sand in The Laboratory – Damascus University Journal for Engineering Science, 02/06/2022
- Development of Bearing Capacity of Pre-Fabricated Concrete Model Piles Driven in Sand Using X&Y Cross-Sections – Damascus University Journal for Engineering Science, 03/05/2023

Core Skills

- Geotechnical Engineering & Soil Mechanics
- Laboratory Management & Testing Procedures
- Academic Teaching & Curriculum Development

- Structural and Foundation Design.
- AutoCAD 2D/3D, CSI ETABS, CSI SAFE, Revit (Structural)
- MS Office Suite
- Interior Design Supervision

Professional Experience

- Teaching Assistant

Damascus University – Faculty of Civil Engineering | 2016 – Present

- Taught courses in Engineering Geology, Soil Mechanics (Fundamentals & Laboratory), and Foundations Analysis & Design.

- Supervised multiple graduation projects for civil engineering students.

- Manager – Soil Mechanics and Engineering Geology Laboratory

Damascus University – Faculty of Civil Engineering | 2017 – 2023

- Managed laboratory operations including test evaluation, geotechnical report preparation, and equipment maintenance.

- Internal Decoration Supervisor (Freelance)

Contractor | 2020 – 2022

- Managed and supervised high-end residential interior decoration projects in Damascus.

- Luxury Apartments – Al-Malki and Al-Maidan neighborhoods.

- Civil Structural Designer

Syrconsult International Engineering, Syria | 2018 – 2019

- Designed structural elements and prepared shop drawings for key projects:

- 24-Story Hotel – Latakia.

- Structural repair for a damaged kindergarten – Damascus.

- Structural evaluation and repair for an old factory building – Damascus.

- Civil Engineer

Ministry of Housing and Urban Development, Syria | 2014 – 2016

- Member of land survey committee.

- Deputy Director of the Work Monitoring Office.

- Site Engineer

Dome International Building Systems, Syria | 2013 – 2015

- Supervised and managed construction and interior decoration works for:
- Luxury Apartments (Al-Malki, Al-Meza, Al-Maisat – Damascus).
- Syrian Islamic Insurance Co Headquarters – Abu-Rumaneh, Damascus.
- Nara Restaurant (4-star) – Al-Meza highway, Damascus.