



Mohammed Jassem Abtan

Civil and Environmental Engineer

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👤 PROFILE

A recent Civil and Environmental Engineering graduate from Rafik Hariri University with solid academic training and hands-on project experience. I am a dedicated, goal-oriented, and results-driven individual actively seeking an entry-level position or apprenticeship in the civil and environmental engineering field. I bring a strong commitment to creativity, perseverance, and quality in my work, along with a deep interest in staying current with environmental issues to implement sustainable and effective practices.

🎓 EDUCATION

Undergraduate- Rafik Hariri University (RHU), <https://www.rhu.edu.lb/home>

2021-09 – 2025-09 | Damour, Lebanon

Junior in Civil and Environmental Engineering

- GPA: 85.46/100
- Dean's Honor List

Highschool - Omar AL Mokhtar Educational center -OMEC, <https://ghadafdal.edu.lb/>

2019 – 2021 | Bekaa Zahle, Lebanon

- Full Scholarship
- Graduated with Distinctions in 85% of Classes

🏢 PROFESSIONAL EXPERIENCE

Advanced Construction Technology Services ☞, Material-Lab Engineer

2025-10 – 2026-03 | Beirut

- Gained hands-on experience in conducting construction material tests in accordance with ASTM and BS standards.
- Performed, analyzed, and documented various laboratory tests, including several completed independently.
- Successfully completed the **ACI Concrete Field Testing Technician — Grade I** certification exam for fresh mixed concrete.
- Assisted laboratory technicians during testing procedures and ensured proper sample preparation and handling.
- Reviewed and verified test results prepared by technicians to ensure accuracy, compliance, and proper documentation.
- Entered and uploaded final test results through the company's online reporting system.
- Communicated directly with clients, providing updates, clarifications, and responding to inquiries regarding test results.
- Maintained laboratory safety practices and ensured a clean, organized, and efficient working environment

Innovations & Design, Civil Engineer

2025-05 – 2025-09 | Beqaa

- Assisted in preparing structural drawings using AutoCAD

LANGUAGES

Arabic
Bilingual



English
Bilingual



CERTIFICATES

E-marketing

Google Digital Marketing Certificate, 2019 30 hours completed.

Academic Competitions

Participated in the Math Competition for three consecutive years: 2017, 2018, and 2019.

Joining Robotics Club (2017-2019)

- Bronze Medal, Bekaa Tournament, 2018.
- Bronze Medal, Lebanon Level, 2019

PROJECTS

Fainal Year Project, Climate trend analysis for three major cities Beirut, Tripoli, and Zahle

- Analyzed climate trends in **Beirut, Tripoli, and Zahle** using **SDSM software**
- Applied **Linear Regression, Mann-Kendall Test**, and **P-value analysis** on historical data
- Assessed future climate projections under **RCP 4.5 and RCP 8.5**
- Focused on **Urban Heat Islands, aerosols, and land use impacts**

Pavement Design Project – Mechanistic-Empirical Analysis

- Designed flexible pavements using **AASHTOWare Pavement ME Design software**
- Analyzed effects of traffic, climate, soil type, and PG grade on fatigue, rutting, and thermal cracking
- Conducted multiple design trials to assess layer thickness, traffic loads, and material behavior

- Supported structural design and basic analysis tasks under supervision
- Monitored on-site activities including excavation, carpentry, and reinforcement works
- Gained exposure to construction workflows, materials, and site coordination
- Communicated with contractors, suppliers, and clients, improving interpersonal and technical communication skills
- Developed a practical understanding of the local construction market and project execution processes

Rafik Hariri University, President, American Society of Civil Engineers – RHU Student Chapter (ASCE-RHU)

2021 – 2025 | Damour, Lebanon

- Member of ASCE-RHU
- Served as President of the Board for Two years
- Organized and led multiple technical and professional events during term

Rafik Hariri University, Vice President – Student Representative Committee (SRC)

2025 – 2025 | Damour, Lebanon

- Currently elected by students to represent them at any time
- Act as a liaison between students and university administration, including the President
- Defend and advocate for students' rights and needs

Rafik Hariri University, Lab Assistant

2022 – 2025 | Damour, Lebanon

- Assisted in preparing and organizing laboratory experiments for civil engineering courses
- Supported students during lab sessions and ensured proper use of equipment and safety procedures
- Gained hands-on experience in material testing, soil mechanics, and structural analysis labs

SKILLS

Leadership Skills

Time Management

Problem Solving

Highly Organized

Work with Team

Critical Thinking

COMPUTER SKILLS

- Software: AutoCAD-Revit- Robot
- Structure Design Software: Sap2000 – SAFE – ETAB- Tekla Structure
- Microsoft: Microsoft Word – Microsoft Excel – Microsoft Power Point
- EPA Net
- Premavira P6
- AASHTOWare Pavement ME Design

REFERENCES

Available upon request