


Amena Shaker

Energy Engineer

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Beirut, Lebanon 

Accurate and results-driven Solar Engineer adept at designing and installing customized solar PV systems, performing engineering sites inspections, developing budgets, and providing valuable support to customers. Offers excellent technological expertise, great manual dexterity, well-developed analytical skills, and ability to complete projects within budget and in a timely manner.

WORK EXPERIENCE

Presales Solar Engineer

Powertech Sarl

10/2021 – 12/2022,

Beirut, Lebanon

Tasks

- Providing customers with strong technical knowledge.
- Performing load estimating, equipment sizing and risk analysis for each project.
- Managing the sales bid process by responding to RFI's & RFP's.
- Liaising with Product Managers to provide feedback from clients about product requirements.
- Maintaining customer satisfaction by investigating concerns, implementing corrective action, and communication with staff.

INTERNSHIPS

MEP Project management officer

Sabeco and partners

08/2019 - 10/2019,

Beirut, Lebanon

Tasks

- Preparing shop drawings.
- Receiving customers calls and recording their requirements.
- Specifying procurement needs.
- Developing plans concerning material needed.
- Tracking the progress of the execution.

Trainee Mechanical Engineer

AECENAR

03/2017 - 09/2017,

Dahr El Ain, Lebanon

Tasks

- Searching and discovering the suitable actuating and automation system for an airship sample.
- Modeling the whole system using the FreeCAD tool.

SKILLS



CERTIFICATES

Arab International academy (01/2023 - Present)

PV Steel Structure design

Arab International academy (07/2022)

Electrical Panel Board

Bureau Veritas group (09/2020)

Solar energy training

Arab international academy (02/2019)

HAP and HVAC design

EduDMG (02/2017)

Plumbing in building

Zmerly & Co (07/2016)

Heating technology training

EXPERTISE

Helioscope	Robot Structural Analysis	
AutoCAD	FreeCAD	Arduino
ANSYS	MatLAB	Basic programming
HAP	HVAC design	Plumbing design
PV design	Heating technologies	

Planning Specialist-Renewable energy

NLAP Foundation

11/2016 - 01/2017,

Tripoli, Lebanon

Tasks

- Conducting site visits.
- Estimating Energy consumption for each region.

VOLUNTEERING

Hajar w bashar (02/2020 - 09/2021)

General secretary

Etebru baytak (10/2018 - 12/2019)

Statistics specialist

Soufaraa Al kheir (04/2017 - 08/2018)

Field volunteer

EDUCATION

Masters degree in Energetic Physics

Lebanese university

09/2018,

Tripoli, Lebanon

Bachelor degree in Physics

Lebanese university

09/2015,

Tripoli, Lebanon

LANGUAGES

Arabic

Native or Bilingual Proficiency

English

Professional Working Proficiency

French

Professional Working Proficiency

INTRESTS

Crafting

Cycling

Cooking

Social service

Workout

Music

Photography

Movies and Series