



LAMA AL MOHAMMAD

MECHANICAL ENGINEER

PERSONAL PROFILE

I am a mechanical Engineer with robust problem-solving skills and proven experience in renewable energy, solar systems, heating systems design and steel construction.

EDUCATION

Master's Degree in Mechanical Engineering (2015 - 2020)

Lebanese University Faculty of Engineering Branch 1, Tripoli.

Graduation Project:" Horizontal Axis Wind Turbine design for small residential applications in Lebanon".

- Designing the blade of a horizontal axis wind turbine under Lebanon's wind conditions using QBlade software, also the structure design of the rotor shaft and the tower.
- Prediction of the noise emitted by the model of the designed wind turbine.
- CFD analysis using the STAR CCM+ software.

SOFTWARES

- MS Office (Word, Excel)
- AutoCAD, CATIA, SOLIDWORKS
- Revit
- Ansys, Star CCM+
- MATLAB/ Simulink, LabVIEW
- Autodesk Robot Structural
- Primavera P6

SKILLS

- Problem-solving.
- Strong analytical and reasoning skills.
- Communication skills.
- Able to work collaboratively

LANGUAGES

- **Arabic:** Mother Tongue
- **French:** Working Proficiency
- **English:** Fluent

SOCIAL LIFE

- Founder and first president of the ASME club at the Lebanese University Faculty of Engineering branch 1.
- GREEN SOCIAL CLUB member, LU (Lebanese University).
- Organizing committee member at HULT Prize (Lebanese University-2019).

WORK EXPERIENCE

Study Conductor-Engineering Department

SK-Group | Jul. 2021-Current

Working on:

- Production line of sugar from beet
- Waste Management Facility

STEM Education Tutor

Junior Engineers | Jul. - Sept. 2021

- Teaching EV3 Robot, WeDo, Scratch Game Design, micro Bit, Arduino, and Python for Data Science and Machine Learning.

HVAC/MEP Engineer

Zmelry & Co. | 26 Aug. to 21 Sept. 2019

- Working on various mechanical design projects including plumbing, water supply, heating load calculation, radiators distribution, and floor heating.
- Visiting project sites and helping with the installation of floor heating.

Industrial Engineer

Zeenni's Trading Agency | 10 Aug. to 30 Aug. 2019

- Conducting experiments and practical work in the workshop and maintenance department.

Welding Engineer

Industrial Research Institute in collab with ESAB | 29 Jul. to 30 Aug. 2019

- Basic knowledge training course (theoretical and practical) industrial Non-Destructive Testing methods on welds.
- Theoretical and practical training course in Manual Metal Arc Welding on Steel.

Construction Engineer

Narciss Brothers Est. | 06 Aug. to 31 Aug. 2018

- AutoCAD: Shop drawing for steel fabrication.
- Supervising the assembling of steel as per drawings, welding as per welding procedures, and on sandblasting.
- Maintenance of all machinery in the workshop.

CERTIFICATIONS

- 3 weeks, Practical Hands-on Training SOLAR PV SYSTEMS from ASEICO Group [2022].
- SOLAR ENERGY TRAINING CERTIFICATE from Zmerly Academy for Heating Technology [2019].
- HEATING TECHNOLOGY TRAINING CERTIFICATE from Zmerly Academy for Heating Technology [2018].
- OV PLAN Technical Workshop CERTIFICATE from Zmerly Academy for Heating Technology [2018].

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Akkar

Nationality:
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Date of Birth:
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