

# Majd Salman, Fresh Graduate Mechanical Engineer, Beirut, Lebanon

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## Education

Bachelor in Mechanical Engineering (3.95/4 GPA), AUB,

Sept 2019-August 2023

- Worked on a final year project of numerical analysis of fluids in refrigeration systems using MATLAB.
- Studied control systems for self-driving cars, PV solar systems, energy efficient building design, and robotics.
- Worked on courses projects of object transporting machines, temperature measuring circuits, fluids flow, machines critical points of stress, manufacturing car parts from raw materials, additive manufacturing (3D printing), control system of robotics arm, and gear design of machines.
- Worked on CAD, TSBL, Ansys, Simulink, Python, C++, Ros2, PVsyst, XML, SQL, Ubuntu and LabVIEW.

Political Science and Business minors (3.74 and 4/4 GPA), AUB,

Sept 2019-August 2023

- Learned ethics, policies, communication and conflict regulations, negotiations, and leadership.
- Studied management, marketing, finance, accounting, information systems, and inventory management.

## Undergraduate Work Experience

HVAC trainee, Associate of Energy Engineers, Online

July 2023\_August 2023

- Calculated the heating and cooling loads, designed HVAC systems on HAP, calculated the required ventilation, designed and drew ducts on AutoCAD, and wrote a full report for a studied Villa near Beirut.
- Had meetings with specialists in the different fields of renewable energy and sustainability.

Automotive Engineer Assistant Intern, Rymco, Beirut,

July 2022\_August 2022

Worked on the repair of mechanical and electric systems and analyzed the performance of engines, wheels, breaks, and transmission in order to fix vehicles in most effective and efficient way.

HVAC Engineer Assistant Intern, Dar Al-Handasah, Beirut,

May 2022\_July 2022

Assisted my advisor in calculating heating and cooling loads using HAP, developing HVAC systems, designing plumbing and firefighting designs, modeling on AutoCAD, and reviewed some Revit.

Automotive start-up employee, Rami Shmait 4x4, Aley

May 2021\_August 2021

Assisted a start-up local shop with marketing and automotive parts selling, and repairing resulting in its increase in popularity and sales in Aley Region.

University Students' Tutor, Self Employed, Beirut

Jan 2020\_Present

Providing guidance and assisting in projects, for more than 3000 hours, for different engineering and business students by facilitating the material, improving their thinking, and developing their studying skills.

## Extra-Curricular Activities

- Worked on fire-fighting robot, efficient solar system design, sumo fighting robot, floor cleaning robot, and weight holding bridge competitions receiving top places in each.
- Member of American Society of Mechanical Engineers (ASME), Robotics Club, Aerospace and Automotive Society, and AUB outdoors participating in their main decisions, and planning projects.
- Worked on a building project on Revit MEP for HVAC, plumbing, and firefighting systems.
- Volunteered with ASHRAE, Engineering camps, and in about 500 hours helping the families affected by the Beirut Port explosion and families suffering from poverty in the economic crisis.
- Have read more than 20 self-improvement books regarding sales, motivation, leadership, and mentality.
- Created "health hustlers" a startup for selling gym supplements and created a marketing strategy increasing sales by about 30% each month.