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Zahle, Lebanon
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Edward Mrad

Mechanical Engineering Student

OBJECTIVE

Dedicated individual with mechanical engineering knowledge seeking a summer internship with a highly reputed organization to develop my skills and learn more about the industry.

SKILLS

Computer Skills	MS Office, Word, PowerPoint, Excel, Inventor, AutoCAD, C, C++, C sharp, MATLAB, VHDL, PLC
Quantitative Research	Mathematical optimization, Mathematical Modeling, Computational Fluid Dynamics
Communication	English (fluent), Arabic (fluent), French
Soft Skills	Communication, Leader, Industrious, Team player, Time-management, Organizational, Problem Solving, Critical Thinking, Public Speaking

TECHNICAL EXPERIENCE

Mechanical Engineering Trainee 09/2021 – 10/2021
Online Training

- Scope of work: Optimizing building energy systems using data analysis and IOT
- Main responsibilities:
- Analyzing maps of building energy systems and identifying data points in the systems that would be of utility for the study of the efficiency.
- Visualizing data of different HVAC equipment (Chillers, Boilers, AHUs, VAVs, etc...) using Python.
- Diagnosing and detecting faults in these equipment according to ASHRAE standards and calculating energy consumption of equipment.

Technical Automotive Trainee 07/2020 - 09/2020
Hamieh Garage Rayak-Lebanon, Training

- LS swapping off-road, classic, and muscle cars.
- Designing and fabricating motor and transmission mounts.
- Disassembling and reassembling the engine for deep cleaning while changing camshaft and connecting rods bearings, and adding performance parts depending on customer's demands.
- VATs deleting the factory ECU with some fine tuning using HPtuners.

Salesman 07/2019 - 09/2019
Al Kabbany Trading Zahle-Lebanon, Summer Job

- Learned how a business should operate, while developing new negotiations and persuasion skills with different types of people.

Old American Cars Mechanic 09/2020 - present
House garage Zahle-Lebanon, Personal Hobby(in my free time)

- Changing leaf springs, leaf springs axles, drum brakes seals, brake lines, brakes oil pump, clutch oil pump, windshields, and most other rusted out parts to make them roadworthy.
- Mounting different GM parts from other junkyard trucks to fit my 1959 and 1951 Chevrolet trucks.

EDUCATION

Bachelor of Engineering in Mechanical, Lebanese University ULFG2 – Roumieh, Lebanon 09/2018 – 07/2023
Lebanese Baccalaureate, General Sciences - Mention Tres Bien, Secondary Evangelical School - Zahle, Lebanon 10/2003 - 07/2018

ACTIVITIES

- Member of the ULFG2 Consulting Club
- Member of the ULFG2 Mechatronics Club
- Taking part in Secondary Evangelical School Futsal Team, winning 2 Bekaa tournaments for schools.
- Participated in the 12th Model United Nations competition at the Lebanese American University.
- Participated in "Al Ta7addi Al Kabir" 2016 TV series, Ranked 8th among the top 56 private schools in Lebanon