

Rose-Mary Choucair

Mechanical engineering student

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Professional Summary

Hard-working and responsible Mechanical Engineering student with a drive for excellence. Able to learn new tasks quickly and to respond positively to change and the challenges it brings. In addition to the Engineering field, I have built exceptional communication and leadership skills through my 4-year experience in sales and participation in several training programs for young entrepreneurs and leaders.

Education

BE in Mechanical Engineering 2017 - Present

Lebanese American University

Senior Mechanical engineering student maintaining a high CGPA of 4.0 while being a member of the Honors program and the distinction list of the Dean of Students.

Lebanese Baccalaureate in General Science 2014 - 2017

Daughters of Charity school

Got an "excellent" score in the official exams and ranked second in Beirut.

Professional Experience

Mechanical Engineering Intern July 2021 -

Association of Energy Engineers Present

Working on real life projects under the supervision of professionals and experts from diverse backgrounds covering a wide array of the energy and sustainability spectrum.

Undergraduate Research Assistant August 2020 -

Lebanese American University Present

Assisting research in the field of instrumentation and ergonomics. The project I am currently working on aims to build an automatic assessment of the Liberty Mutual Manual Material Handling (LMMH) guidelines using smart instrumentation systems.

Mechanical Engineering Intern August -

Khatib & Alami October 2020

Training with a mechanical engineer on designing HVAC, Water Supply, Drainage, and Fire Fighting systems and integration on actual projects being developed during the training duration.

Mechanical Engineering Intern June -
EMDC August 2020

Training with senior engineers on mechanical codes requirements concerning HVAC, Water Supply, Drainage, and Fire Fighting application and integration on actual projects being developed during the training duration.

Having demonstrated exceptional learning skills during the internship period, I was asked to facilitate the training of a new intern in order to accelerate the program and save time for the supervisors.

Salesperson and Data Collector 2019 - 2020

Philip Morris

Pushing the sales of Philip Morris products in several point of sales in Lebanon, in addition to gathering data about smoking behaviour and preferences of Lebanese people.

Tutor 2017 - 2021

Lebanese American University

Tutor for Engineering Dynamics and Engineering Mechanics for first year Mechanical and Industrial Engineering students.

Hostess and Promoter 2017 - 2020

Select Agency

Working as a hostess in different events such as weddings, business meetings, conferences, concerts, parties, and more, in addition to promoting the products of several clients such as Diageo, Najjar Coffee, Synkers, Le Mall, and more.

Salesperson 2017 - 2019

Diageo

Promoting and selling Diageo products such as Moët et Chandon, Dom Perignon, and Veuve Clicquot in ABC Ashrafieh during festive seasons.

Academic Assistant and Tutor 2016 - Present

Self-Employed

Providing tutoring services for university and highschool students to help them strengthen their academic skills and complete their assignments and projects. I have experience in courses and subjects related to Engineering, Social Sciences, English, Math, Physics, Biology, Marketing, and Human Resources.

Skills

Language skills

- English: fluent
- French: fluent
- Arabic: native
- Spanish: fair

Computer skills

- JAVA
- Autocad
- Matlab
- Solidworks
- Labview
- Microsoft Office (Word, Excel, PowerPoint)

Competitions & Incubators

LebWox Incubator by Critical Skills Circle- 2020

Participated in a 2-month program by LebWox where I had the chance to attend sessions and workshops given by experts in the fields of Entrepreneurship, Business, Tech-Innovation, Rural and Green Projects, and Marketing.

Youth Leadership Program by UNDP- 2020

- Received a 2-month training from DOT Lebanon about startups and entrepreneurship.
- Founded Albi LB, presented it in front of judges and investors, and was able to reach the national finals.

Hult Prize Lebanon- 2018

- Participated in one of world's largest accelerator for youth-driven innovation and entrepreneurship.
- Reached the final stage consisting of 6 participants.
- Attended a 2 months accelerator program with mentors from all around the world.

Certifications

- App Development Level 3 - Dot Lebanon 2021
- Python for Everybody - University of Michigan 2020
- Introduction to Digital Marketing - Maharatmen Google 2020
- Certified Solidworks Associate - CSWA 2017

Projects

- **Auto-intelligent CNC Cutter- Present**
Designing a CNC machining cutter system with self-adjustment for the load and auto-compensate for tool wear.
- **Beirut Walk 4 Inclusion by UNDP- 2020**
Focal point of the engineering team responsible for Solidworks design, 3D scanning, and 3D printing of the face mask worn by athlete Micheal Haddad during his Beirut Walk 4 Inclusion.
- **Solar tracker- 2019 (Labview - Matlab)**
Designed a solar tracker based on PID control.
- **Automated driving test- 2018 (Labview)**
Designed an automated driving test based on several violations and feedback sensors.
- **Automated Chainsaw Machine- 2018 (Matlab)**
Designed a chainsaw machine based on a 4 bar-linkage and a belt.
- **Tensile test machine- 2017 (Solidworks)**
Designed a tensile test machine with a motion analysis and flow simulation.

Extracurricular Activities

Founder

June 2020 -

ALBI LB

Present

Founded a startup application that aims to help Small Lebanese businesses promote their products and services so they could survive the economic crisis and covid-19 pandemic.

Tutor Volunteer

2020 - 2021

MMKN Organization

Volunteered as a tutor to a public school grade 8 students to help them achieve better academic results and ensure equal education to all students in our country.

Model United Nations Delegate

2015 - 2017

LAU MUN

Participated as a delegate during LAUMUN 2015-2016 where I had to attend training sessions for a period of approximately 6 months. Then, chosen as an advisor for younger delegates during the LAUMUN 2016-2017.