Fatima HASSAN
Mechanical Engineering Student

A very dedicated engineering student, who aims to reinforce and expand her current engineering knowledge, especially in mechanical engineering, and looking forward to an internship opportunity that provides the best chance to learn from experienced professionals.

✉ fatimahasan2022@hotmail.com

☎ (+961) 76 970 651

📍 Tyre, Lebanon

in linkedin.com/in/fatima-hassan-979a0b226

SKILLS

- Autodesk Inventor
- Fusion 360
- AutoCAD
- solid works
- MATLAB
- Proteus
- Arduino
- 20 SIM
- MPLAB
- Microsoft word, excel..
- C programing and Python
- writing technical report
- group management

LANGUAGES

Arabic
Native or Bilingual Proficiency

English
Professional Working Proficiency

French
Limited Working Proficiency

INTERESTS

- Networking events
- Music

EDUCATION

Mechanical Engineering
Lebanese University - Faculty of Engineering
09/2019 - Present   *Beirut Lebanon*

Courses:
- Control Systems
- Computer Science
- Fluid Mechanics
- Mechanical Assembly
- Gas Dynamics
- Machine Design
- Sensors
- Mechanical Vibrations
- Heat Transfer
- Electrical Machines

WORK EXPERIENCE

Internship
Mechanical Engineer /Plastimed sarl, Bezourieh-Tyr Lebanon
07/2022 - 08/2022   *Tyre Lebanon*
A company that produces medical grade empty Polypropylene (PP) bags with their connectors and stoppers.

Achievements:
- Examined various processes used in the industry for a production of IV bag (serum bag) starting from its raw material.
- Inspected the malfunctioning problems that occur in the machines in addition to the way that repair and restart them.
- Learned the framework of HVAC and electrical system on this company.

CERTIFICATES

Hands-on Stem Training / Beirut, Lebanon (12/2016 - 01/2017)
Participated in the Hands-on Stem training of trainers in the field of Hardware, Electronic, Mobile Apps and Green Technology. Founded by: Embassy of The United State of America-Beirut. Supported by: Lebanese Republic Ministry of Education and Higher Education.

ACADEMIC PROJECTS

Revolving Centre (CAD Design)

Energy Consumption Controller using PIC18 Microcontroller (MPLAB and Proteus)

Flywheel Regenerative Braking System (Mathematical Model and CAD Design)

Lead Compensators Full Study and simulation (MATLAB)

Code for a Slider Crank Mechanism (MATLAB)

Bond Graph full study and simulation (MATLAB and 20SIM)

Code for Vibrating Systems (MATLAB)

Electric Furnace Full study (Mathematical Model)

Air Reservoir full Design (Mathemtical Model and CAD Desgin)

Car Jack (CAD Design)