

## HUSSAIN FAOUR

(+961) 03 955 326 | [hussainfaour@hotmail.com](mailto:hussainfaour@hotmail.com) | <http://linkedin.com/in/hussainfaour>

### Education

#### **Lebanese International University**

Masters of Sciences in Mechanical Engineering

October 2024 - Present

Bachelors of Sciences in Mechanical Engineering

October 2020 - August 2024

### Experience

#### **Copar, Lebanon**

January 2025 – February 2025

- Assisted in 3D modeling and drafting of mold components using CAD software (SolidWorks and TopSolid).
- Conducted three independent factory-related projects:
  - Impact Wrench Trigger – Designing and prototyping a trigger mechanism for a bolt screwdriver.
  - Torque Wrench Ratchet Head – Design and development of a torque meter head for accurate force measurement.
  - OR Laser Welding Machine Research – Explored methods for optimizing laser welding in mold repair applications.
- Operated and worked with a 3D printer for prototyping, testing design concepts, and verifying mold components.
- Gained hands-on experience with EDM (Electrical Discharge Machining) machines used in mold manufacturing and finishing.
- Collaborated with senior engineers to review and optimize designs for efficiency and manufacturability.
- Performed office tasks, including budget tracking in Excel, expenses calculation, and documentation to support project planning and cost management.

#### **Caesar Pac Holding, Kuwait**

October 2024

#### **Mechanical Engineer (Training)**

- Assisted in the maintenance and troubleshooting of printing and cutting machines used in cardboard packaging production.
- Gained hands-on experience in mechanical systems, including rollers, gears, and conveyor mechanisms.
- Assisted senior engineers in routine inspections and preventive maintenance tasks.
- Observed and participated in diagnosing and repairing breakdowns related to electrical and mechanical components.
- Learned about quality control measures and safety protocols in a printing and packaging environment.

**Mohammed Abdulmohsin Al-Kharafi & Sons, Kuwait**  
**Mechanical Engineer (Training)**

September 2024

- Exposure to different types of pumps, valves, motors, and mechanical systems and their operation in wastewater treatment.
- Assisted in the operation and maintenance of mechanical systems within the sewage treatment plant, including pumps, motors, and piping networks.
- Gained hands-on experience with mechanical equipment related to wastewater treatment, including troubleshooting and repairs.
- Learned about safety protocols and environmental regulations related to sewage treatment.

**Emkan, Kuwait**

September 2023 – October 2023

**Mechanical Engineer (Internship Trainee)**

- Gained exposure on different types of HVAC systems.
- Conducted load calculations and selected appropriate AC units based on design requirements.
- Assisted in performing financial quotations provided to clients.
- Collaborated with engineers on practical tasks.
- AutoCAD maps and drawings of HVAC systems.

**Volunteering Experience**

**Volunteer, Volunteering Marathon Initiative**

Lebanon, July 2024 – Present

- Organized, participated, and led teams in village and beach clean-ups.
- Assisted in the renovation of community facilities, including painting, minor repairs, and landscaping to improve shared spaces.
- Participated in a recycling drive that collected and properly disposed of plastics, glass, and other materials raising awareness about environmental sustainability.
- Successfully organized a marathon with more than a thousand participants.

**Projects**

**Design an Efficient Underfloor Heating System (To Be Published)**

- Objective: Examine the effect of different materials on heat load and underfloor heating systems in order to design an efficient underfloor heating system for residential building.
- Methodology: Design an underfloor heating system for a residential building by performing a parametric study on heat load and upward heat flow from panels to determine the most effective materials.

- **Simulation:** Computer simulations were conducted using Ti-Soft Heating Design, to simulate the heat load, and Oventrop OV-Plan, to simulate upward heat flow from panels.

### **Extracurricular Activities**

#### **Secretary, American Society of Mechanical Engineers (ASME)**

Lebanese International University, Beirut, October 2023 – August 2024

- Organized, documented, and reported all events, meeting agendas, and action items for all ASME chapter meetings, ensuring clear communication among members.
- Coordinated events, including guest lectures, workshops, and networking sessions with industry professionals.

### **Skills**

**Language:** English (Fluent), Arabic (Fluent), Spanish (Elementary), French (Elementary).

**Software:** SolidWorks, TopSolid, AutoCAD, MATLAB, 3D Printing, Microsoft Office Suite, Photoshop, Google Sketchup, Lumion.

**Soft Skills:** Team Collaboration, Communication, Time Management, Adaptability, Problem-solving, Data Analysis, Attention to detail.