

# FADI SEMAAN

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## 🧩 TECHNICAL SKILLS

**CAD Software** (AutoCAD, Revit, SolidWorks),  
**Computer** (Microsoft Suite, C++, Arduino),  
**Data analysis, Project management,**  
**Quality Management Systems (QMS),**  
**Mechanical Maintenance, Robot Design**

## 🧠 KEY SKILLS

Intellectually Curious  
Highly Detail-oriented  
Strong collaborative team player  
Communication and active listening skills

## 📁 PROFESSIONAL EXPERIENCE

May 2021 – present

### Inspection Engineer

*Navy Group Co. Ltd./Robinson International*

- Providing petroleum and petrochemical services including cargo supervision, tank calibration (as per API, ASTM, and IP Standards), quality/quantity inspection, sampling, and testing through accredited laboratories.
- Conducting field reports, cargo loss analysis, and calculations for compressible and incompressible liquid transfer systems on behalf of the Lebanese Ministry of Energy.

Apr 2012 – present

### Comprehensive Executer

*Independent Projects*

- Electrical work: Residential circuit design and installation
- Mechanical work: Design and prepare MEP calculations and drawings
- Woodwork: Bedroom and Kitchen cabinets execution from design to installation

Jun 2021 – Sep 2021

### MEP Site Engineer Intern

*Kfoury Engineering & Contracting, Lebanon*

- Worked in designing HVAC, heat load calculations, duct-sizing, BOQ, firefighting, and drainage
- Supervised the execution of mechanical and electrical works
- Verified the implementation of tasks based on design maps

Jan 2015 – Dec 2020

### Private Tutor

*Self-employed*

- Provided one-on-one educational support for high school students in mathematics and physics
- Tailored student group sessions for state exams
- Ensured students have a thorough grasp of knowledge as well as logical and critical thinking

Aug 2016

### Automotive Technician Intern

*Mercedes-Benz Agent in Lebanon (T. Gargour & Fils S.A.L)*

- Solved mechanical and electrical failures
- Provided service and repair for ACTROS Truck
- Responsible for disassembling mechanical systems to service individual components
- Conducted preventative maintenance and testing including engine tune-ups, damper servicing, and others

## EDUCATION

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2022

### **Bachelor of Engineering in Mechanical Engineering**

*Notre Dame University, Lebanon*

- Capstone: MPS – Metal-Plastic Shredder Machine  
Conceived, designed, built, and evaluated an eco-friendly automated device that separates the plastic and metal of waste cables and wires

## MEMBERSHIPS & ACTIVITIES

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2017 – 2019

### **The American Society of Heating, Refrigerating, and Air-Conditioning Engineers - ASHRAE (Student section at NDU)**

*Event Manager*

- Organized several events, field trips, and workshops

2017 – 2018

### **The VEX Robotics Competition in Lebanon**

*Committee Member*

- Participated in organizing and promoting the VEX Competition
- Acted as judge for the VEX Robotics Competition

2014 – 2016

### **Engineers Without Borders (EWB)**

*Member*

2016 – 2018

### **Consulting Club – NDU**

*Committee Member*

- Assisted in organizing certified Student Leadership Training weekend (SLTII) aiming to enhance teamwork, leadership, and soft skills

2015

### **The American Society of Mechanical Engineers – ASME**

*Member*

## CERTIFICATES

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### **Lean Sigma Certification**

Six Sigma Global Institute

### **First Aid Training**

Lebanese Red Cross

## LANGUAGES

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- English
- French
- Arabic