

# Nagham Assaf

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## EXPERIENCE

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### Mechanical Engineering Intern

June 2021 – August 2021

Pierre Dammous & Partners | Beirut, Lebanon

- MEP Design and Consultancy
- Assisted with engineering calculations, design drawings and BOQs of CMA CGM 114 project
- Provided technical support on the site of CMA CGM headquarters
- Provided engineering support to the mechanical team during the testing and commissioning phase of the BBAC recovery center project

### Energy efficient buildings with good indoor air quality

Sept. 2020 - Dec. 2020

Applied Energy Course | Beirut, Lebanon

- Studied effective energy conservation techniques.
- Provided a high level of comfort in occupied building spaces through the operation of cooling systems.
- Minimized energy usage by enhancing the chiller efficiency.

### Pumped-Storage System Design and Performance

Sept. 2020 - Dec. 2020

Fluid Mechanics Course | Beirut, Lebanon

- Designed a piping system using a fixed turbine power and analyzed the cost of installation
- Collaborated with a team of 2 to develop a solution

### Smart House Project

Jan. 2020 – May 2020

Instrumentation Course | Beirut, Lebanon

- Programmed the smart home sensors using Arduino
- Collaborated with a team of 2 to design and present the project with a voice-over PowerPoint

### Machine Design Project

Jan. 2020 – May 2020

Mechanics of Machines Course | Beirut, Lebanon

- Designed a machine that lifts a water bottle and fills a cup
- Calculated the cost, weight and speed using mechanical analysis
- Collaborated with a team of 3 to develop a solution

### Tutor

Jan. 2016 – Present

Conducted rigorous instruction of fundamental curriculum while identifying subjects that students struggle with to improve GPA by 72%

## EDUCATION

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American University of Beirut | Bachelor of Engineering in Mechanical Engineering

Expected Jun. 2022

- GPA: 3.4/4.0
- *Member*, ASME, SSEA, Investment Club

College Maristes Champville | French Baccalaureate – Life Sciences

2002-2017

### Languages

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- English (Native or Bilingual proficiency)
- French (Native or Bilingual proficiency)
- Arabic (Native or Bilingual proficiency)

## SKILLS

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MATLAB and Simulink, Inventor, AutoCAD, Microsoft Office Products.