

Nagham Assaf

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EDUCATION

American University of Beirut (AUB) – Beirut, Lebanon | Expected Jun. 2022

Bachelor of Engineering in Mechanical Engineering

College Maristes Champville – Dik El Mehdi, Lebanon | 2002-2017

French Baccalaureate – Life Sciences

WORK EXPERIENCE

Investment Analyst Intern

Jan. 2022 – Present

Middle East Venture Partners | Beirut, Lebanon

- Assisted in commercial due diligence and market research
- Aided in building pitches and presentations
- Assisted in portfolio monitoring and support

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

Tutor

Jan. 2016 – Present

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

PROJECTS ACCOMPLISHED

Bicycle Modeling, Analysis and Control, Control Systems Final Course Project

Sept. 2021 – Dec. 2021

- Built a simulation setup to generate the Bode plot of the compensated closed-loop system.
- Designed a lead-lag compensator and PID controller to meet specified performance requirements.
- Tested the designed controllers in various setups.

Analysis of a 5-Stage Gearbox, Mechanical Design II Final Course Project

Jan. 2021 - May 2021

- Designed a spur gearbox with a total reduction of 1/380.
- Performed failure analysis using the AGMA approach and ANSYS software.
- Collaborated with a team of 3 to reach an appropriate solution.

Energy Efficient Buildings with Good Indoor Air Quality Final Course Project

Sept. 2020 - Dec. 2020

- 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, Fluid Mechanics Final Course Project

Sept. 2020 - Dec. 2020

- 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

SUMMARY SKILLS

Computer skills: Proficient in MS Office, Inventor, CREO, AutoCAD, Fusion and ANSYS.

Programming languages: Intermediate in C++ and LabView, Proficient in MATLAB and G-code (CNC).

Languages: Fluent in English, French and Arabic (Native Language).