

MOHAMMAD EZZEDDINE

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I am looking forward for this opportunity to be an intern in your company. I am willing to take on more responsibilities, and working at your company will be a great stepping stone for my career.

EDUCATION

AUGUST 2019 – PRESENT

UNDERGRADUATE IN MECHANICAL ENGINEERING

LEBANESE AMERICAN UNIVERSITY JBEIL-LEBANON

EXPECTED GRADUATION MAY 2023

Cumulative GPA: 3.94/4 – High distinction – Major GPA: 3.96/4

Placed On the Deans Distinguished List

Honors Program Student

FEBRUARY 2022 – PRESENT

ERASMUS+ FULLY FUNDED EXCHANGE PROGRAM

POLITECNICO DI TORINO TORINO-ITALY

EXPECTED END OF MOBILITY PROGRAM JULY 2022

Undergraduate Courses Attended:

-Fundamentals of Thermal and Hydraulic Machines and Fluid Power

-Industrial Plants and Safety

Masters Courses Attended:

-Additive Manufacturing Systems and Materials

-Solar Thermal Technologies

JANUARY 2016 – JULY 2019

HIGHSCHOOL

HARRIRI III SCHOOL BEIRUT-LEBANON

Ranked 7th In Lebanese Baccalaureate (Official Exams), General Science Section.

Scored 18/20 On Official Exams

Ranked 1st In General Science Section in School.

EXPERIENCE

AUGUST 2022 – PRESENT

INTERNSHIP, TOMORROW'S LEADERS PROGRAM: VIP+ PROJECTS

Modeling, and optimizing a sustainable castor oil value chain using advanced lean six sigma tools and techniques. In this context, specific pretreatments and emerging extraction techniques are being adopted to extract oil from castor seeds for multiple ulterior usages.

Industry Partners: Indevco, Kassatly Chtaura

MAY 2020 – JULY 2020

INTERNSHIP, ENVIRONMENTAL AND WATER RESOURCES ENGINEERING AND CONSULTANCY

Worked on a project qualified by the USGBC (United States Green Building Council) for the LEED (Leadership in energy and environmental design)

Worked as a financial assistance by providing information for costs and revenues for projects

Reported results, progression, and provided the adequate presentations and reports for the company.

AUGUST 2019 – AUGUST 2021

GRAPHIC DESIGN LAB ASSISTANT, LEBANESE AMERICAN UNIVERSITY BEIRUT

Machine maintenance, and guiding graphic design students with their projects.

AUGUST 2019 – PRESENT

HIGHSCHOOL AND UNDERGRADUATE TUTOR, BEIRUT-LEBANON

Related courses: Dynamics, Thermodynamics, CAD (SolidWorks), Instrumentation, Strength of Materials, Heat Transfer, Thermal Systems Design, Mechanical Vibrations, Control System

PROJECTS

OCTOBER 2020 – DECEMBER 2020

KAR 98-K 3D MODEL AND DESIGN USING SOLIDWORK

MARCH 2021 – MAY 2021

INTEL CORE I7-2630QM CPU COOLING SYSTEM AND HEATSINK USING SOLIDWORKS

MARCH 2021 – MAY 2021

STEAM ENGINE DESIGN USING SOLIDWORKS AND MOTION ANALYSIS USING MATLAB AND SOLIDWORKS SIMULATION

MARCH 2021 – MAY 2021

SMARTSYSTEM FOR MANAGING FARMS DATABASES USING LABVIEW AND SOLIDWORKS

JUNE 2021 – JULY 2021

ECONOMICAL STUDY AND ANALYSIS OF A STARTUP USING EXCEL

SEPTEMBER 2021 – DECEMBER 2021

MODEL OF A CONTROL SYSTEM UNIT TO MANIPULATE THE TEMPERATURE INSIDE A ROOM USING SIMULINK AND MATLAB (PID CONTROLLERS)

SEPTEMBER 2021 – DECEMBER 2021

DOUBLEPIPE HEATEXCHANGER DESIGN AND ANALYSIS USING ANSYS

SEPTEMBER 2021 – DECEMBER 2021

STUDY OF SOLAR ENERGY AND ITS APPLICATIONS AS A POTENTIAL SOLUTION TO LEBANON'S ELECTRICITY CRISIS

SEPTEMBER 2021 – DECEMBER 2021

STUDY OF MARRIOTT'S CODES OF ETHICS, ETHICAL ISSUES AND LEADERSHIP STYLES

SKILLS AND LANGUAGES

- Microsoft Office (Word, Excel, PowerPoint)
- LabVIEW
- CAM (G and M Code)
- EES
- Fluent in Arabic and English
- LINGO
- SOLIDWORKS
- MATLAB
- ANSYS
- POLYSUN

ACTIVITIES

- Member of the ASME Club (September 2021-Present)
- Member of the AEE Club (September 2021-Present)
- Digital Media Literacy training _ DOT (August 2021)
- Certified Associate in Mechanical Design -Dassault Systems (October 17 2020)
- Participant in the Role of Engineers in Disasters Webinar Series organized by ASME (21,24 September 2020/ 5 October 2020)
- "Maharat Min Google" webinar (Oct 2020)
- Hult prize participant at LAU (29 November 2019 – 25 January 2020)
- Injaz Innovation Camp (September 28 2019).
- Computer Science Summer Camp at LAU (July 02-06 2018)

References available upon request