

Mohammad Nasser

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EDUCATION

Lebanese American University (LAU), Byblos, Lebanon
Bachelor of Engineering in Mechanical Engineering
Graduated with honors.

08/2019 – 05/2023

Jib Jannine Public High School, Beqaa, Lebanon
Lebanese Baccalaureate, General Science

06/2019

AWARDS AND HONORS

- Dean’s Honor List
- First place award in the Vertically Integrated Projects (VIP+) Innovation Showcase
- Full merit and leadership scholarship funded by Middle East-Partnership Initiative (US-MEPI)

Spr & Fall 2020, Su 2021, Fall 2022, Spr2023
April,2022
Academic year 2020-2021

WORK EXPERIENCE

United for Industry & Contracting S.A.L (Unic), Roumieh, Lebanon
Mechanical Engineering Intern

07/2023 – Present

- Designed, analyzed, and modified mechanical components and systems.
- Assembled, installed, and tested split units.

Jahani and Associates (J&A), Dubai, UAE
Part-time Business Development Contact Agent

02/2023 – 05/2023

- Managed outbound and inbound calls and emails.
- Built sustainable relations with clients.

United Nations Development Program (UNDP), Zahle, Lebanon
Mechanical Engineering Intern

07/2022 – 08/2022

- Designed an off-grid solar system for a telecom station providing it with 3-day autonomy.
- Attended the training on Solar Photovoltaic (PV) and Solar Water Heater (SWH) systems.
- Completed practical training on Solar PV and SWH design software.
- Inspected, installed, monitored, and commissioned solar PV and SWH plant sites.

Middle East Airlines (MEA), MASCO, Beirut, Lebanon
Maintenance Engineering Intern

06/2022 – 07/2022

- Attended theoretical training courses related to aircraft maintenance.
- Applied the theoretical knowledge gained throughout the courses on aircrafts.
- Maintained and prepared aircraft engines, airframes, and electrical systems.

Lebanese American University (LAU), Beirut, Lebanon
Student Assistant, Post Office

08/2019 – 05/2020

- Provided administrative support to all office staff members.
- Aided during office events.
- Supported in managing the workload and in organizing students’ files.

RESEARCH EXPERIENCE

Lebanese American University (LAU), Byblos, Lebanon
Undergraduate Researcher, Tomorrow’s Leaders College to Work Pipeline (TLP)

08/2021 – 05/2023

- Collaborating with the U.S. Department of State and Georgia Institute of Technology, I am part of a team developing a highly sensitive chip for early diagnosis of kidney damage.
- Developed an Institutional Review Board (IRB) protocol in collaboration with LAU Medical Center – Rizk Hospital (LAUMC-RH) to ensure ethical research practices.
- Conducted a comprehensive literature review on late-stage kidney damage to understand the state of the art in the field.
- Designed a 3D CAD model of the chip to simulate its performance and optimize its design.
- Met regularly with clinicians to receive feedback and refine the chip's design.

COMPUTER SKILLS

- MATLAB, LabVIEW, EES, and basic JAVA and Python skills
- Microsoft Office (Word, Excel, PowerPoint, Outlook)
- AutoCAD, Fusion 360, Ansys, Helioscope, HAP, Homer, PVSkyetch, Primavera P6 and SOLIDWORKS

EXTRACURRICULAR ACTIVITIES

- Member of the Lebanese Order of Engineers and Architects (OEA)
- Football Player at Beqaa Youth Club (4th division team)
- Board member of the American Society of Mechanical Engineers (ASME) Club
- Board member of the American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE) Club
- Board member of the LAU Consulting Club (LCC)

07/2023 – Present
07/2020 – Present
08/2020 – 05/2023
08/2022 – 05/2023
08/2022 – 05/2023

LANGUAGES

Fluent in spoken and written English and Arabic.