

Omar Halawany

*American university of Beirut, Mechanical Engineering
Minor in Mathematics*



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Experienced in Mechanical engineer with a demonstrated history of working in social and mechanical industry. Skilled in Qualitative and Quantitative research and mixed methods, Microsoft office, literature review, data analysis and mechanical related software,

PROFESSIONAL EXPERIENCE

Intern at Caterpillar INC-Jallad Company (January 2022/March2022)

- Acquired technical expertise/ staff related to generators such as C15, C51 and 3512YAY (Rebuild)
- Tackled all the maintenance aspects of bulldozers & excavators under the supervision of specialists and mechanical professionals.
- Collaborated with experts in the hydraulic systems of excavators

Research Assistant & Academic writer, American University of Beirut, AUB (August2020/December2020)

- Assisted in the researches related to Mechanical department through conventional and unconventional project, operations and extensive computer applications(aerodynamics, mechanics of materials)

Intern at Rayak Military AIRBASE and Olayaat Airport (June2019/July2019)

- Gained knowledge of theoretical and technical knowledge in the mechanical sector
- Acquired in technical aspects of the helicopters, such as PUMA IAR 330
- Participated in the maintenance, engines and helicopters' mechanism.

EXTRA CURRICULAR ACTIVITIES

- Member of Robotic Club at American University of Beirut
- Member of Women at work at American University of Beirut
- Member of MUN at American University of Beirut
- Built Theremin robot through PCB design.
- Created an Arduino and controlled my own robotic car using an Arduino and motor derive.
- Presented in telecommunication workshop by :
 1. Architecture of Software-Defined Radios (SDR).
 2. Building an FM Radio receiver using an SDR Examining a digital modulation scheme to transmit and recover text and data
- Participated in SOLVEATHON camp about health engineering.

• EDUCATION American University of Beirut AUB 2018/2022

- **Bachelor of Engineering (BE)**
- Major: Mechanical Engineering**
- **Minor in Mathematics**

TECHNICAL SKILLS

- Programming languages and mathematical packages: Matlab, C++
- Computer aided design/engineering: SolidWorks, Autocad, Creo
- Microsoft excel, word, Publisher and PowerPoint.

Soft Skills

- Creativity, Analytical
- Organizational
- Time management and Leadership
- Formal communication skills
- Languages: Fluent in English, French and Arabic (Speaking, Reading, and Writing)

Workshops

- Edit a thon Wikipedia at American University of Beirut
- Time management
- Leadership At American university of Beirut
- Women at work
- Gender equality with MEPITLS
- 3D printing at AUB

Main Awards & Certifications

- First Place at AUB INJAZ innovation camp in partnership with FATTAL group
- Golden Medal in Zaarour Army Mountain Race for 5 km
- Bronze Medal in Douma Mountain Bicycle Race for 20 km.

Volunteering

- Member at AJIALOUNA organization
- Representative at Association of the Martyr Lieutenant Colonel Sobhi Al Akoury(*The association for the children of Lebanese Army Martyr with the UNIFIL and different embassies*)
- Team Leader in the Scout of Lebanon.