

ZAHRA ABDALLAH

Tanzanian, Lebanese | Beirut, Lebanon | +961 70-767 723 | zaranashy@gmail.com

EDUCATION

- American University of Beirut** - Beirut, Lebanon Sep. 2016 – Aug. 2021
B.E. of **Mechanical Engineering**
Minor in **History**
- Cumulative GPA: **3.4/4.0** – Graduated with Distinction
- University of California, Berkeley (UCB)** - California, United States Jun. 2019 – Aug. 2019
- Summer Abroad Program: Mechanics of Machines (B) and English (A)
- International College (IC)** - Beirut, Lebanon Sep. 2014 – Jun. 2016
- International Program – Distinction
 - Most Sustainable Award Achieved

PROFESSIONAL EXPERIENCE

- Energy Engineering Trainee** at Al-Salem Jhonson Control's – Riyadh, Saudi Arabia Sep. 2021 – Present
- Performed data analysis to obtain baseline building consumption rates and corresponding energy saving majors to enhance HVAC, lighting, and other systems in the ministry of interior project in Saudi Arabia.
 - Prepared presentations on feasibility and valuation studies of 4 new projects that JCI is willing to endorse.
 - Undertaking CEA and CEM certification, expected to complete end of May 2019.
- Economic Affairs Intern** at United Nations ESCWA regional department – Beirut, Lebanon Jun. 2021 – Aug. 2021
- Researched and published papers on sustainable transportation in Arab Gulf region and Blockchain Technology.
 - Attended conferences and collaborated with young ESCWA for internal innovation strategies such as Automated Green hydro plant walls and solar PV technology for ESCWA building.
- Research Assistant** at the Engineering Department at MIT – Manipal, India Jun. 2021 – Aug. 2021
- Simulated on ANSYS software an analysis of abrasive water jet machining with full bibliometric study of the latter.
 - Conducted literature reviews and presented the findings to the team under the instruction of Dr. Deepak
- Strategy Analyst** at Ensaf Trading Company – Nampula, Mozambique Jun. – Aug. 2016, 2017, 2018
- Conducted feasibility studies to discover new locations for the branch of the business using demographic and lifestyle data.
 - Managed cost operations involving a 40% difference in tariffs for goods imported from France and China respectively.

PROJECTS

- Machines | Team Leader** at AUB– Beirut, Lebanon Feb. – Jun. 2018
- Awarded first place for creating the fastest and most efficient mechanism to lift, rotate, and translate a box.
- Optimization | Individual Work** at AUB– Beirut, Lebanon Sep. – Dec. 2020
- Optimized a thermal design system by creating an objective function and setting constraints aside then used MATLAB and other mathematical tools to find the optimal and minimized cost of the whole system.

EXTRACURRICULAR ACTIVITIES

- IAESTE AUB | Head of Public Relations** Sep. 2020 – Aug. 2021
- Marketed and recruited students to take part in competing for internships around the globe
- ASME AUB | Member** Sep. 2018 – Sep. 2020
- Attended workshops and seminars on trending topics in the region regarding Mechanical engineering
- Rugby in AUB, ACONITES, LEBANON | Player** Sep. 2017– Present
- Played for Lebanon in the National Lebanese team against Syria and Qatar
- Santa Maria De Nazere, Nampula and Beira, Mozambique | Volunteer** Dec. – Jan. 2017, 2019, 2020
- Cared for children with learning difficulties, organized weekly events for the objective of social needs.

SKILLS & INTERESTS

Languages: Fluent and Proficient in **English**, Conversational in **Arabic**, **Portuguese**, and **Hindi**, Beginner **Spanish**
Computer Skills: MS Office (Excel, Word, PowerPoint), C++, MATLAB, AutoCAD, CREO, SolidWorks, LabView, ANSYS
Soft Skills: Leadership, Communication, Team Building, Time Management, and Public Speaking
Interest: Reading, Travelling, Camping, Hiking, and Gym