

# Lea Atwi

Nationality: American-Lebanese

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## Education

**AUB - American University of Beirut**

**Sep 2018- June 2022**

*B.E in Chemical Engineering*

Beirut, Lebanon

## Experience

**Al Marj Foodstuff and Packaging L.L.C**

**Oct 2022-Dec 2022**

Package Engineering Intern

Dubai, UAE

- Studied the packaging design and materials used for food products with a focus on maintaining effective and safe distribution mechanisms
- Used AUTOCAD to design and outline the packaging blueprints of different product sizes specifically 115 x 210 x 70
- Participated in a research study around the different types of raw materials utilized in food packaging and the modification of these material to fit environmental standards.

**BPI- Benta Pharma Industries**

**August 2020- Oct 2020**

Process Engineer Intern

Beirut, Lebanon

- Assisted the processing team in studying the machines used in pharmaceutical manufacturing through detailed research and computer aided designs through HYSYS
- Conducted data collection and analysis to produce various process flows of pharmaceutical tablet manufacturing, packaging and storing
- Aimed at finding a strategy to help reduce the amount of reports issued by 50% during process validation while focusing on facilitating the process and moderating the time consumed into it throughout its 3 stages

**AICHE-American Institute of Chemical Engineers**

**Sep 2019- Jun 2020**

Associate Event Manager

Beirut, Lebanon

- Hosted and organized various events related to AIChE in different universities
- Underwent budget and cost allocation plans in addition to profit estimation for various conducted university events
- Worked on maintaining and building relationships with different sponsors, speakers and vendors throughout the year

## Extracurricular Activities

**Leadership Training & Communication Skills workshop - Participant**

**2018**

- Attended and presented numerous speeches on the topics of management and partnership
- Participated in various projects that focused on team building and leadership development and principles

**Moadieh Evangelical Center for Assisted Living -Volunteer**

**2018**

- Offered the patients company and assisted them with their day to day activities
- Hosted various entertainments to help accommodate the patients

**The Learning Center for the Deaf - Volunteer**

**2017**

- Provided patients with moral support by occupying them with different activities

## Projects

**Production of Bioethanol from Ligno-cellulosic feedstock, Final year Project**

**2022**

American University of Beirut

Underwent a business analysis on the application of the process, by undergoing cost estimation for the different machinery, utility costs, maintenance, labor costs etc. and applying the Module factor approach, reaching a profit of almost 18 million dollars

**Women and spectrophotometry**

**2018**

International Biodiversity day at AUB (IBDAA)

Built a Spectrophotometer that measures the amount of nitrogen dioxide released into the environment aiming at keeping track of it and maintaining it at a level of 200  $\mu\text{g}/\text{m}^3$  as a 1 hour average

## Skills

**Computer skills:** MS Word, Excel, PowerPoint, HYSYS, MATLAB, LabVIEW, AutoCAD, Microsoft office, C++

**Languages:** English (Native), Arabic (Native), French (Beginner)

**Soft Skills:** Project management, relationship management, Team leadership, Data analysis and interpretation, written and verbal communication