

# Ahmad Houjeij

+96171357154 // Ayh08@mail.aub.edu

---

## EDUCATION

**American University of Beirut (AUB)- Maroun Semaan Faculty of Engineering and Architecture (MSFEA)**

– **Cumulative GPA: 3.25 /4.00 | Final 2 years GPA: 3.70/4.00**

Bachelor of Engineering in Chemical Engineering graduated with **Distinction**

Minor in Petroleum Engineering

Minor in Philosophy

**McMinnville Highschool – GPA: 4.00/4.00**

Youth Exchange and Study program sponsored by Department of State

**Beirut**  
Class of 2019

**McMinnville, OR**  
2012-2013

## Work Experience

**Hikma Pharmaceuticals – Jordan Headquarters**

**Amman**  
July.18-Sept.18

**Chemical Engineering Intern**

- Conducted a cost reduction feasibility study on a production process potentially reducing the cost by 90%
- Designed a pumping system for the newly acquired liquid chilling equipment that distributes to the entire factory
- Redesigned a piping system to increase the efficiency of the heating and cooling fluid systems used in the factory
- Analyzed manufactured samples for stability, impurities, and potency
- Performed preventative maintenance, calibration and troubleshooting of analytical instruments as required

**AIESEC**

**Regional Project Manager in Middle East and Africa**

**Beirut**  
Aug. 16- Feb. 17

- Coordinated with national project managers in 10 Middle Eastern and African Countries for a literacy project for refugee children
- Planned the project with national project managers adjusted to each country based on HR and national reality
- Created a regional business proposal which established a partnership with Microsoft in 14 countries

**Expansions Manager**

Jan.16- Jan.17

- Developed the national framework for expansion of new local chapters
- Conducted market research and market need assessment on 25 universities in Lebanon
- Cross matched AIESEC exchange products with universities needs assessments
- Created the entry plans of the national expansion model and followed up on their execution
- Officially opened an expansion in University of Balamand

## Extra-Curricular Activities

**AUB Outdoors - Chief Procurement Officer**

- Procurement of all logistical needs and items for AUB Outdoors summing to quantities of above \$100,000
- Coordinated with over 100 internal and external stakeholders

**Beirut**  
Nov. 16- May 17

**AIESEC in Vietnam - Intern**

- Organized workshops and debate sessions for students that tackled public speaking
- Managed a conference in a Model UN environment for students to explore the ASEAN Economic Community
- Developed the awareness of the ASEAN Economic Community to 150 Vietnamese University and High School students

**Ha Noi**  
Dec. 15- Jan 16

## Academic Projects

**Final Year Project**

- Researched multiple pathways to produce Biopharmaceutical Astaxanthin and Biodiesel from the microalgae Haematococcus Pluvialis; Designed the process, controls scheme, safety and sizing of the production process

**Chemical Process Design**

- Designed with a team a production plant producing 100,000 tons of Phthalic Anhydride from ortho-Xylene with detailed design of Tubular Reactor, Heat Exchangers, and Distillation Columns

**Reservoir Petrophysics**

- Modeled Saturation Height Functions across the reservoir and calculated Hydrocarbon Volume using PETREL. Ran sensitivity analysis on multiple parameters such as permeability and porosity and their effect on hydrocarbon volume

## Certificates

- Certified Associate in Project Management (CAPM) course offered by PMI
- Fullbridge U program certificate; an 8-module program focused on building professional and analytical skills
- Train the Trainers (Romania)

## General Skills

- Languages: Arabic (Native), English (Native)
- Computer: R, Python, MatLab, Microsoft Excel, Powerpoint, Aspen Plus, HYSYS, SLB Techlog, SLB Petrel, Kappa Saphir