

# Sara Al-Hadi

Nationality: Brazilian and Lebanese

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## EDUCATION

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<b>09/2015 - Present</b>	<b>American University of Beirut</b> Bachelor of Engineering in Chemical Engineering Expected Date of Graduation: May 2020 Cumulative GPA: 3.2 /4.0 Honor student for Fall 2015-16	<b>Beirut, Lebanon</b>
<b>2011-2014</b>	<b>Amjad High School</b> Lebanese Baccalaureate II in Life Science	<b>Choueifat, Lebanon</b>

## EXPERIENCE

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### **Lebanese Petroleum Administration (LPA), Beirut, Lebanon, 15/07/2019 – 15/09/2019**

Position Held: Intern

- Conducted three extensive literature reviews on the Gas Development Plan in Lebanon
- Outlined the potential demand volumes of natural gas for the main energy consuming sectors in Lebanon
- Identified the distribution infrastructure for procuring and delivering fuel to targeted areas in Lebanon
- Investigated the economic merit of five infrastructure scenarios based on the future potential gas offtake volumes

### **SMLC PepsiCo, Choueifat, Lebanon, 20/12/2018 – 20/1/2019**

Position Held: Intern

- Performed quality control tests and procedures on finished products
- Realized the functions of the different units throughout the plant
- Worked on decreasing the utility's cost by applying optimization techniques
- Collaborated with different departments to achieve utmost quality of products

### **Chemical Engineering department at AUB, Beirut, Lebanon, 09/2017 - 05/2018**

Position Held: Research assistant

- Synthesized, washed, and characterized Metal-organic frameworks (MOFS) in the lab
- Produced valuable chemical products by using MOFS in esterification reactions

## EXTRACURRICULAR

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### **Plan My Gap Year, Ambalangoda, Sri Lanka, 13/01/2018 – 22/01/2018**

*International Volunteer:* Renovated a public school. Tutored underprivileged children basic English and Math.

### **Lebanese Red Cross, Beirut, Lebanon, 09/2017 – 09/2018**

Participated in money campaigns and elderly activities. Worked as a member of the logistics subcommittee.

### **AIChE Member, Beirut, Lebanon, 09/2015 – present**

Being part of an elite worldwide community recognized as the global leader in the chemical engineering profession.

### **Children Cancer Center, Beirut, Lebanon, 09/2015 - 12/2015**

Contributed in making a difference in the life of patients and families throughout the difficult period of the treatment.

### **GC LAU MUN (Model United Nations), Beirut, Lebanon, 2012-2013**

Engaged in the exploration of current world issues through the implementation of peaceful communication with fellow delegates to resolve conflicts and navigate the UN's rules of procedure.

## PROJECTS

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- **1<sup>st</sup> place winner:** IBDA 2019 Research & Development: PlasChick

- IBDA 2018 Product development: OilSpec
- Production of Gasoline from Biomass
- Water pumping from a lower to an upper tank model
- VI robot project

## **SUMMARY SKILLS**

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**Languages:** Fluent in English and Arabic with basic knowledge in Spanish, Turkish and Persian.

**Technical Skills:** MS Word, Excel, PowerPoint, Autodesk AutoCAD, MathWorks MATLAB, C++, Python, LabVIEW, Aspen HYSYS, Simulink Loop-pro.

**Soft Skills:** Communication, Team building, Organizational, Presentations, Problem solving, Leadership potential, Adaptable, Hardworking, Flexible, Work ethic.

**Interests:** (Music) piano, Language learning, Horseback riding, Cultural experience, Learn new things.