

# SACHA SALAMEH

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## EDUCATION

### American University of Beirut (AUB)

Beirut, Lebanon

BE in Chemical Engineering / Minor in Math.

September 2015 – May 2020

Overall GPA: 3.4/4. Graduation GPA: 3.6/4.

- **Awards:** Dean's Honor List for Fall 2019 and Spring 2020.
- **Final Year Project:** Modeled a process to reduce the municipality solid waste and produce ammonia.

### College Saint Joseph Antoura

Antoura, Lebanon

Lebanese Baccalaureate II, General Sciences.

September 2000 – May 2015

## EXPERIENCE

### National Technical University of Athens (NTUA)

Zografou, Greece

Trainee

June 2019 – August 2019

- Optimized water networks for better future use.
- Applied integration methods to minimize the use of external energy in existing processes.
  - Worked in a team of two along the supervisor Dr. Kokossis.

### American University of Beirut (AUB)

Beirut, Lebanon

Research Assistant

February 2019 – May 2019

- Designed partially covered nickel catalysts with different sulfur concentration for the dry reforming of methane.
  - This technique utilizes the two most abundant greenhouse gases CO<sub>2</sub> and CH<sub>4</sub> to produce useful syngas mixture of CO and H<sub>2</sub>.

### American University of Beirut (AUB)

Beirut, Lebanon

Teaching Assistant

February 2018 – May 2018

- Organized solving sessions pertaining to Chemical Engineering Principles I.
  - Mentored 50 first year students on problem solving techniques.

## EXTRACURRICULAR ACTIVITIES

### MMKN club - Volunteer

September 2017 – May 2019

- Volunteered to teach after school physics, to grade 9 students, in the public school Shakib Arslan.
- Contributed in an increased number of passing students in the Lebanese Baccalaureate I.

### L'Oréal Brandstorm Competition - Participant

February 2018 – April 2018

- Presented an innovative idea "L'Orebus". These buses are designed to take women to their destination while they benefit from getting their hair done.
- Was nominated to the nationals in Paris.

### AUB Outdoors – Entertainment Team Member

September 2016 – June 2017

- Contacted and auditioned talents to perform at AUB Outdoors, an event that takes place on campus with the purpose to entertain attendees.
- Assisted artists on the two-day event.

## SUMMARY SKILLS

- **Language:** Proficient in English, Arabic and French (writing and speaking).
- **Soft Skills:** Public Speaking, Problem Solving, Interpersonal Communication, teamwork, organization.
- **Technical Skills:** MS Office, Google Drive, Spreadsheets, Email, Research, Aspen Plus, Matlab, Gams, Loop Pro.