

# Robert-Raffi Awedissian

Chemical & Petrochemical Engineer

## Personal Information

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## Education

- Diploma in Chemical & Petrochemical Engineering** September 2016 - July 2021  
Lebanese University – Faculty of Engineering –Branch II- Roumieh
- Lebanese Baccalaureate in General Sciences (GS)** June 2016  
(Appreciation: Good)

## Professional Experiences

- Intern at Zahrani Oil Installations** August 2020 to 28 September 2020  
Description: 2 weeks in Laboratory, I worked on tests for oil derivatives (fuel oil, jet, diesel, gasoline) such as: density, viscosity, sulfur content, sludge and water, pour point, flash point, CFPP. 2 weeks in the oil and gas storage and transportation sector, I’ve seen the several equipments used in the process (including the different tanks).
- Intern at ES-Electronic Systems** 1 July 2020 to 15 August 2020  
Description: During my internship at Electronic Systems, I worked as a quality control analyst and I learned how to evaluate the quality of the air freshener products and to test their lasting affect alongside its odor freshness.
- Intern at EDL-Zouk Thermal Power Plant** 1 July 2019 to 31 July 2019  
Description: In order to assess the quality of the fuel oil, I’ve characterized it by using several physicochemical techniques (Hydrometer, Viscometer, Concarbon, flash point tester) in order to evaluate its parameters such as: density, viscosity, water content, carbon residue, sludge and flash point.

## Projects

- 4<sup>th</sup> year Chemical & Petrochemical Project** 1 April 2020 to 8 June 2020  
Description: In order to analyze the production of methanol from the synthesis gas (CO& H<sub>2</sub>), I simulated a process on Aspen HYSYS and compared the yield of methanol obtained with or without the optimization of the process through graphs and case studies.

## Computer Skills

- Softwares:**
  - ❖ KAPPA Saphir (for the well testing analysis)
  - ❖ GAP (for the calculation of the pressure drop through the pipelines on the surface and for the optimization of the oil rate produced from the various wells drilled)
  - ❖ Aspen HYSYS (for modeling several processes in the refineries and chemical industries)
  - ❖ AutoCAD (for drawing different equipments)
  - ❖ MATLAB (for modeling various types of curves in 2D and 3D)
  - ❖ Microsoft Office (Word, Excel, Power Point)

## Languages

English (read, written, spoken), French (read, written, spoken), Arabic (native language)

## University Activities

- Faculty Liaison of the “ Society of Petroleum Engineers- ULFG2 Student Chapter”** August 2020 to July 2021  
Description: I represent the faculty and I'm responsible to inform the Head of department about every event planned for the club.
- President of the “American Institute of Chemical Engineers-ULFG2 Student Chapter”** September 2019 to July 2020  
Description: I organized conferences and workshops with process engineers to learn more about the major. Furthermore, we entered a few competitions with other AIChE’s branches.
- Delegate at the faculty’s student center** 25 September 2018 until now  
Description: I was responsible of the student center in helping to provide different services for the students (courses, printing documents...)

## Certificates

- Certificate for the outstanding will and commitment to complete the “GAP Surface Network Modeling” online course by OPA 31<sup>th</sup> August 2020 to 5<sup>th</sup> September 2020
- Certificate for the outstanding will and commitment to complete the “Well Testing Analysis (KAPPA Saphir)” online course by OPA 24<sup>th</sup> August 2020 to 30<sup>th</sup> August 2020