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# **Hawraa Khreiss**

## **Objective:**

To secure a position as design engineer .

## **Education:**

Lebanese University Faculty of Engineering

Master in Petrochemical and Industrial Process Engineering 2011- July 2017

Al-Kawthar High School

Lebanese Baccalaureate-General Sciences-2011

## **Knowledge**

analytical chemistry (qualitative -quantitative); fluid mechanics; technology of petroleum; plant design and industrial economics; applied organic chemistry; reaction engineering and reactors; fractional distillation of petroleum; unit operations; computer science; mechanics of materials and machines; thermodynamics and Heat transfer; mass transfer; electronics; instrumentation; process automation ; applied hydraulics; geology; material science and corrosion; refinery (1-2); polymers; data acquisition and signal treatment; colloids; machinery; modeling and process; optimization; water treatment; industrial maintenance; engineering laws in Lebanon; petroleum production; industrial and environmental safety; renewable energy and sustainable development; storage and transportation of oil and gas; petrochemical synthesis technology; Air pollution; Plastic and composite materials; Engineering Project management; Fundamentals of petroleum economics; quality control; petroleum lab (ASTM).

## **Core skills**

- Language skills (able to communicate in three different languages)
  - ✓ Fluent in **English, French and Arabic**
- Computer skills:
  - ✓ Extensive “Solid Works” skills
  - ✓ Advanced Microsoft Office (Word, Excel, Powerpoint) skills
  - ✓ Advanced “Aspen” skills
  - ✓ Basic “Matlab” and “Labview” skills
  - ✓ Basic AutoCAD 2D/AutoCAD 3D skills
  - ✓ Basic “dymola” skills
- Team work ability
- Time management skills

## **Past employment**

- Internship for 2 months at “Kfarchima lab for residues testing”
  - chromatography skills and software (HPLC & GC)
- Scientific visit to “Cimentrie Nationale” (Assabe’) (2016)

## **Accomplished Projects**

- “OXYGEN GENERATION AND DIFFUSION FOR VENTILATION PURPOSES IN BUILDINGS” (Final year project 2017)
- Simulation of Gas Condensate Stabilization Unit Aiming at Selecting the Right Technique and Assessing the Optimized Operational Parameters using Aspen HYSIS (2016)
- Making processes using “Dymola”, “Matlab”, “Labview” and Aspen HYSIS.

### **Self employment**

- private teacher in Math/Chemistry/Physics
- social work
- self motivated