**HANAN**

Dubai - UAE

**Email:** **hanan.373718@2freemail.com**



**PERSONAL INFORMATION**

**Age** **:** 24 years

**Sex** **:** Female

**Nationality** **:** Canadian

**Marital Status :** Single

**Driving Licence :** Yes, issued from Canada

**OBJECTIVES**

* Seek a career in applying my academic knowledge in the chemical stream into finding practical solutions to real life problems
* Tackle engineering problems and utilize my technical and laboratory skills to meet the needs of the Company
* Gain essential experience while working in a team to meet the business needs of the Organization
* Obtain a challenging position in a high-quality engineering environment where my resourceful work experience and academic skills will add value to the Organization

**EDUCATION**

**Bachelor of Chemical Engineering Sep 2012 – Jun 2017** McMaster University in Canada, Hamilton, Ontario

* Graduated with Honours

**WORK EXPERIENCE**

**Internship at Canadian Imperial Bank of Commerce in Toronto, Ontario Sep 2015 – Aug 2016** Job Title: Business Analyst, Production Development and Intake Management

* Created on-boarding documents related to key day to day processes
* Generated professional reports in the form of dashboards for executive consumption
* Provided support for intake management, release planning and business activities
* Continued to build relationships with key stakeholders and business partners

**TECHNICAL COMPETENCIES**

* Microsoft Office: Word, PowerPoint and Excel (Expert)
* Computer Platforms: MATLAB, GAMS, AUTOCAD, PIPE-FLO, Maple Simulator and Open LCA (Expert)
* Process simulation programs: Aspen Plus, Aspen Energy Analyzer and Aspen Capital Cost Estimator (Expert)
* Create, read and interpret PFDs and P&IDs (Expert)
* Wastewater Treatment Software Tools: BioWin and GPS-X (Expert)

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**ADDITIONAL SKILLS**

* Experienced with lab procedures and Process Engineering
* Strong in reconciling problems and resolve conflicts
* Ability to mange various projects at the same time
* Ability to work in a team environment

**LANGUAGES**

 English (Fluent)

 Arabic (Fluent)

**EXTRA CURRICULAR ACTIVITIES**

**Welcome Week at McMaster University** **Apr 2014 – Sep 2015**

* Engaged in a project called IRIS (Inspiration, Reflection, Integrity, and Success)
* Worked in a group of ten people to effectively deliver the university life in an orientation drama project and welcome new students
* Offered a glimpse of the transitional issues, challenges and opportunities that students encounter during their first year at university

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| **Note-Taker for Engineering Math, McMaster Student Accessibility Services** | **Sep 2014** |

* Provided in-class notes to students with disabilities to have equal access to lecture materials

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| **Tutor** | **Sep 2011** |  |
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* Tutored College Math, English, Science at Mohawk College. Developed problem solving strategies and communication skills

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**Clubs at McMaster University** **Sep 2013 – Sep 2016**

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|  |  McMaster Engineering Society (MES) Student Member |  |
|  Professional Engineers Ontario (PEO) Student Member |  |
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**REFERENCES**

Available upon request

**RELEVANT PROJECTS**

**Process Graduation Project, Soybean Biodiesel Plant Design** **Jan 2017 – May 2017**

* Selected and sized equipment, and created a detailed P&ID for design of the plant
* Optimized the transportation network between the plant, distribution centers, and customers using linear modelling on GAMS software

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**Dec 2012**

**Dec 2016**

**Jan 2017**

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| **Wastewater Activated Sludge Model** | **Jan 2017** |

* Worked independently to build a numerical model that simulated steady-state activated sludge operation
* Developed Numerical Model Development Skills using the Activated Sludge Model No. 1 (International Water Association)
* Analyzed and selected Wastewater equipment using Wastewater Treatment Software Tools (BioWin and GPS-X)

**Optimizing a Transportation Network for a Soybean Biodiesel Plant,** *Engineering Optimization Course*

* Worked in a group of three to optimize the transportation network by determining the optimum location of the biodiesel plant within Canada while minimizing the transportation cost
* Used the software GAMS to find the optimum location
* Conducted several case studies to validate the robustness and flexibility of the optimization

**Carbon Dioxide Sequestration Process Design,** *Engineering Economics Course*

* Modified the design of a two- stage Selexol process of a coal power plant to sequester carbon dioxide
* Economic modelling was completed through Aspen Capital Cost Estimator and NPV analysis to determine the viability of the design
* Developed a detailed P&ID to ensure the safety, flexibility, and reliability of the plant
* Conducted a HAZOP analysis on critical nodes to identify and mitigate potential hazards

**Professional Engineering Competition**,*McMaster University*

* Ranked in the top seven out of 149 groups for designing an elbow orthosis for a patient suffering from fire injuries at McMaster Hospital
* Led a group of five and delegated tasks according to each other member’s strength to maximize team performance
* Developed the sense of analytical thinking with a talent of analyzing, brainstorming ideas, improving, and dividing complex work processes in a professional way