

## **Asma A. Shubair**

Address: 977 Shefford Road, Gloucester, ON. Postal code: K1J 6X6

Mobile: (+1) 873-688-8033

E-mail: [ashub062@uottawa.ca](mailto:ashub062@uottawa.ca)

### **OBJECTIVE:**

A chemical engineering MASc student at uottawa with strong communication and leadership skills. Seeking a teaching assistant job in the Engineering sector in order to convey the knowledge gained from academic institutions.

### **KEY QUALIFICATIONS:**

- Bachelor's degree in Chemical engineering at an American University with a GPA of 8.9
- Extensive research experience in many different fields such as nanotechnology, electrochemistry, plant design, renewable energy and biomedical engineering
- Participated in prestigious research competitions
- 2 years of lab work experience
- Excellent knowledge in Aspen HYSYS, MATLAB, CAPCOST, and MS office
- Fluent in written and spoken English language
- Placed on the Chancellor's and Dean's list
- Strong teaching, communication and leadership skills

### **EDUCATION:**

- University of Ottawa, Ottawa, ON, Canada, September 2018 – present  
Masters of Applied Science in Chemical Engineering
- American University of Sharjah (AUS), Sharjah, UAE, September 2014 - May 2018.  
Bachelor of Science in Chemical Engineering, ABET accredited  
Cumulative GPA: 3.55 (**8.9/10 Equivalent**)

### **WORK EXPERIENCE:**

- AUS Book Club's Public relations. January – May, 2017
- AUS Society of Petroleum Engineers Club's Media Coordinator, January 2018 – May 2018.
- Worked on assuring the quality of the lubricants being produced at Universal Lubricants (ZINOL) L.L.C, Sharjah. June – August, 2017

### **RESEARCH/PROJECTS:**

- Currently working on the electrochemical conversion of glycerol into a value-added product for the project "Ni Electro Can" under the supervision of Dr. Elena Baranova at University of Ottawa. September 2018 – present
- Conducting a research paper on the topic of alternative photocatalysts to TiO<sub>2</sub>, for the "CHG8191B – Photocatalysis" course at University of Ottawa. September 2018 – present
- Researching on the topic of catalytic methanol synthesis, for the "CHG 8191 C – Catalysis by Metals and Zeolites" course at University of Ottawa. September 2018 – present

- Worked on a research project titled ‘Photocatalysis as a New Method for Demulsification.’ September 2017 – May 2018.
- Researched on a topic titled “Cancer risks from incineration-based Waste to Energy plant emissions,” for the course Waste Management and control in CHE at AUS, under the supervision of Dr. Zarook Shareefdeen. November 2017
- Designed a plant which produces grade AA methanol on an industrial scale on HYSYS, for the “Process Safety, Design and Economics” course at AUS, under the supervision of Dr. Paul Nancarrow. January 2017
- Researched on a cancer related project involving the use of ultrasound to enhance liposome activity and determining the pH of Calcein, at AUS, under the supervision of Dr. Ghaleb Husseini and Dr. Mustafa Khamis. March – July 2016
- Worked on the project of generating electricity for buildings in UAE using solar and wind energy, for the “Professional Communication for Engineers” course at AUS, under the supervision of Dr. Susan Munday, September 2016
- Wrote a research paper on how to use pumps more efficiently in a chemical plant for the “Principles of Chemical Engineering II” course at AUS, under the supervision of Dr. Ghaleb Husseini. September – December 2016.

## **SKILLS:**

### **Computer Skills:**

- Excellent Knowledge: Aspen HYSYS, Matlab, CAPCOST, Microsoft office (Word, Excel, PowerPoint).
- Basic Knowledge: Aspen PLUS, Pspice.

### **Languages:**

- Fluent in written and spoken English and Arabic.

### **Communication Skills:**

Took a course titled “Professional Communication for Engineers” at AUS (2017). It is aimed to enhance written and oral skills through writing proposals, final project reports, working in teams, presenting progress reports etc.

## **ACHIEVEMENTS:**

- Placed on the Chancellor’s Distinguished List for the year, 2016-2017.
- Placed on the Dean’s List for the year, 2016-2017 and Spring 2018.
- Short listed for the 6<sup>th</sup> annual Undergraduate research competition held in Abu Dhabi University, April 2018
- Participated in the Engineering Design and Innovation Competition and Exposition, April 2018.

## **PERSONAL ATTRIBUTES:**

- Ability to convey information in simplified ways
- Creative\*
- Team Leader\*
- Able to solve difficult problems\*
- Strong communication skills
- Determined

\*Based on the results of a personality test, BELBIN.

**REFERENCES:** Available upon request