

# Bahja Sofiane

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## OBJECTIVE

To obtain a Co-op Chemical Engineering position from Summer to Fall 2015, that offers team oriented tasks, immediate challenges, and career opportunity allowing me to use my education to upgrade my engineering skills and meet the demands of the organization.

## EDUCATION

**Case Western Reserve University (CWRU)**, Cleveland, Ohio

May 2016

Major: Bachelor of Science in Chemical Engineering

Minor: Film Studies

GPA: 3.0

**University of Manchester**, Manchester, UK

Jan 2014 – June 2014

Study Abroad Semester, Chemical Engineering.

## EXPERIENCE

**Process Engineer Intern**, Pharmaderm Pharmaceuticals, Tunisia

June 2014

- Achieved a Scale Up study for two liquid drugs and one suspension
- Created a Scale Up spread sheet containing the equations that helped me find both the speed and mixing time for three products to be scaled up
- Collaborated closely with another intern to prepare a general guide on Scale up techniques for liquids and suspensions
- Detected an erroneous value of the power of a turbine in an offer made by the mixing reactor suppliers and got a confirmation that it was an error that was going to cost the company about 72 thousand euros.

**Quality Control Assistant**, Pharmaderm Pharmaceuticals, Tunis, Tunisia

June 2012

- Classified the different reactives used in the laboratory analysis and tests
- Performed analysis protocols involving extractions of the active ingredient from the finished product and dosage by HPLC
- Updated the inventory stock of reactives

**International Student Ambassador**, CWRU, Cleveland, USA

August 2013

- Mentored a group of 20 international students and provided a welcoming and a positive presence to all new students and their families

## ACTIVITIES

- Active member and former Alumni Secretary of AXE, the professional chemistry fraternity October 2012
- Active Member of Case Model United Nations (HarvardMUN, Lake Erie MUN conferences) January 2012
- Selected as Global perspective Spotlight Student at CWRU August 2013
- Selected to participate to the USA-Tunisia Youth Debates March 2012

## RELATED COURSES

Thermo Fluids Heat & Mass Transfer, Transport Phenomena in Chemical Systems, Circuits and Instruments, Chemistry of Materials, Chemical Lab for Engineers, Intro to Organic Chemistry, Pharmacology, Biochemistry

## SKILLS

### **Linguistic**

- *Advanced:* Arabic, French, English

*Intermediate:* Spanish, Persian

### **Computer**

- MATLAB, LabVIEW, COMSOL, Microsoft Office, Google Calendar, Windows, Mac OS