

# MOHAMED MOUSSA

1A Systems Design Engineering  
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## EXPERIENCE

### **Data Recorder (volunteer) for Forest City Diving Club, 2012-2014**

- Volunteered at four diving competitions, doing data entry and various other tasks
- Strong teamwork experience gained from working with others to complete time-sensitive tasks

### **Lab Assistant (volunteer) in Dr. Hind Al-Abadleh's chemistry lab at Wilfrid Laurier University, 2012 and 2013**

- Completed several projects analyzing arsenic and food dyes over the summers of 2012 and 2013
- Practiced workplace safety while working with hazardous materials and expensive equipment

### **Diving Coach (paid and volunteer) for Kitchener-Waterloo Diving Club, 2011**

- Organized and managed activities and evaluated student progress based on criteria provided
- Developed excellent interpersonal and leadership skills

## TECHNICAL SKILLS

- Proficient with **C++**, with projects available open-source on github
- Completed a **Python** course on Coursera (Rice University)
- Completed a project using **Lua** scripts and the **Myo Scripts API** to control desktop applications
- Web development through **HTML** and **CSS**
- Experience with pair programming
- Completed two projects using **SolidWorks**

## PERSONAL SKILLS

### **Time management**

- Balanced 20-25 hours of training and travelling per week as a National Level athlete along with maintaining an outstanding high school average of 96.5%
- Comfortable working in a high-intensity environment from competing in several national diving competitions

### **Communication**

- Excellent verbal and written communication skills; excellent in French
- Completed 4000 word essay as part of the IB diploma

### **Problem-solving**

- Detail-oriented with strong analytical and problem-solving skills

### **Learning**

- Most of web-development and programming skills gained separately from regular education
- Fast independent learner who can learn new programming languages and other skills quickly

## AWARDS AND SCHOLARSHIPS

- 2<sup>nd</sup> place finish at fall 2014 UW EngHack hackathon
- University of Waterloo President's Scholarship of Distinction
- Proficiency awards in Mathematics and French for the highest mark among the graduating class
- Ontario Scholar and honour-roll student
- School letters for strength in academics and significant participation in extracurricular activities
- Finalist in the 3m springboard event at the 2011 and 2012 national diving competitions
- Received Honourable Mention Award at Hamilton Model United Nations 2014 conference

## EDUCATION

**Candidate for Bachelor of Applied Science, Systems Design Engineering, University of Waterloo, Waterloo, ON,**  
September 2014 – Present

**International Baccalaureate Diploma, Ontario Secondary School Diploma, and Cameron International Studies Certificate, Cameron Heights Collegiate Institute, Kitchener, ON, 2014**