

MOHAMED MOUSSA - 1B Systems Design Engineering
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EXPERIENCE

Software QA Analyst/Developer at Unitron Hearing

Jan – May 2015

- Programmed and wrote documentation for an application to automate frequently repeated tasks, a self-initiated project
- Tested software carefully, finding bugs that had existed but not been found in previous releases
- Discovered and helped implement improvements to test cases and documents for new employees
- Gained improved understanding of software testing, Microsoft DOS, and the Windows operating system
- Frequently commended for creative and entrepreneurial mindset

Developer at University of Waterloo Muslim Student Association

Feb 2015 – Present

- Created python and Google scripts for carrying out tasks along with regularly revising the club's website, uwmsa.com
- Created documentation using MediaWiki and frequently communicated online with team members in various locations
- Became familiar with small team collaboration tools including Slack, Asana, Doodle, and others

Senior Developer at Enactus Waterloo

Jan 2015 – Present

- Contributed to project development and built the organization's website, enactuswaterloo.com, as part of a small team
- Handled front-end web development as well as back-end implementation of several features
- Gained project management and web development experience for a medium-sized organization

PERSONAL PROJECTS

Signup Block

March 2015

- Created Signup Block, a Chrome and Firefox browser extension for removing signup modals
- Developed first versions in less than 36 hours using JavaScript, jQuery, and JSON
- Grew user base to around **65 active users in 1.5 months**

StudySpaceUW

March 2015

- Created studyspaceuw.com, a website for finding empty classrooms to study in at the University of Waterloo
- Developed the full website, using HTML and CSS for the front-end and Python for the back-end
- Individually developed and deployed the site in under 24 hours

TECHNICAL SKILLS

- **Python:** Proficient with scripts and applications; experienced with back-end web development using Django and Bottle
- **HTML, CSS:** Experienced with front-end web development
- **JavaScript:** Experienced with developing Chrome and Firefox extensions
- **C++, C#, Lua:** Completed one or more projects with each language, including applications, games, and Myo scripts
- **Swift:** Created a basic iOS counting application which scaled to different sizes and contained a few basic features

AWARDS

- Won the **\$500 prize for Best Use of Open Data** at the 2014 Nspire 24 Hour Startup competition
- Won **2nd place** at the Fall 2014 UW EngHack hackathon
- Received **Honourable Mention** Award at Hamilton Model United Nations 2014 conference
- **Finalist** in the 3m springboard event at the 2011 and 2012 national diving competition

EDUCATION

Candidate for BASc, Systems Design Engineering, University of Waterloo, Waterloo, ON

Class of 2019

- Strong academic results while also being heavily involved with clubs and sports
- Received University of Waterloo President's Scholarship of Distinction

International Baccalaureate Diploma, Ontario Secondary School Diploma, and Cameron International

Studies Certificate, Cameron Heights Collegiate Institute, Kitchener, ON

Sept 2010 – June 2014

- Proficiency awards in Mathematics and French for the highest mark among the graduating class
- School letters for strength in academics and significant participation in extracurricular activities

INTERESTS

- **Programming:** Most of web-development and programming skills gained separately from regular education
- **Springboard and platform diving:** Balanced 20-25 hours of training and travelling per week as a National Level diver along with maintaining an outstanding high school average of 96.5%