

Essa Saeed



mesaeed@uwaterloo.ca



EssaSaeed



essaeed

Experience

Part-Time Web Developer **Apptitude Apps (Summer 2016 - Current)**

- Working in a team of two to create a web application using HTML/CSS and Javascript/jQuery in tandem with PHP and SQL that provides the user with tafsir/exegesis
- Designing the UI and handling most of the front end development, including responsive design

Part-Time Mobile Developer **Apptitude Apps (Summer 2016)**

- Developed an iOS application with a fully functional today widget extension written in Objective-C
- Assisted in design decisions for the app icon and user interface which increased the overall appeal
- Available on the App Store, Quran Daily Selections (Elmasry) has been featured internationally

Projects

Pokemon Tower Defence **Python Desktop Application**

- Developed a fully functional tower defence game which was planned in a design document
- Utilised the tkinter module to create and display the GUI
- Incorporated multiple user placeable characters, a currency system, and an enemy pathing system

Chaos Game Simulation **Java Desktop Application**

- Created a simulation to display chaotic order which was formalized in a design document
- Employed Java Swing GUI widget toolkit's JFrame class to model the simulation
- Integrated object oriented programming fundamentals through the use of an inheritance hierarchy

Relevant Skills

Technical Skills

- **Familiar with** Python \ C \ C++ \ Java
- **Working Knowledge of** HTML \ CSS \ Javascript \ jQuery

Awards

First Place Academic Award with Scholarship **EMAAN courtesy of MAC**

- Awarded at Educational Muslim Achievement Awards Night for highest academic standing

President's Scholarship of Distinction **University of Waterloo**

- Awarded for entering the University of Waterloo with a cumulative average of at least 95%

Activities

Co-President of the MSA **Sir John A. Macdonald Secondary School**

- Led a group of approximately 20 Muslim students to work together and hold events for the school
- Organized weekly jumuas (Friday prayers) for the students
- Arranged the election for next year's MSA executives as well as an end of the year potluck

Education

University of Waterloo **2A Software Engineering (Class of 2020)**