

Essa Saeed

HONOURS SOFTWARE ENGINEERING STUDENT · UNIVERSITY OF WATERLOO

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Summary of Skills

Technical Tools Python, C++, Java, Objective-C, C, Assembly, Git, Gerrit, Apache Cordova, Apache Maven, Fiddler

Web Javascript, HTML, CSS, jQuery, Node.js

Experience

SAP

Waterloo, Ontario

MOBILE DEVELOPER

Jan. 2017 - Apr. 2017

- Developed Cordova plugin for importing X.509 certificates into an app's keychain in Objective-C and Node.js.
- Fixed multiple bugs for hybrid applications and SAP hybrid plugins using Javascript and Objective-C.
- Profiled and debugged production grade hybrid application code to diagnose performance bottlenecks.
- Researched about the feasibility of using a reverse proxy cache to assist in reproducing customer issues.
- Participated in an Agile work flow with code reviews, daily scrum stand-ups and bi-weekly sprint reviews.

Apptitude Apps

Waterloo, Ontario

SOFTWARE DEVELOPER

Jul. 2016 - Sep. 2016

- Developed responsive front end for web application using HTML, CSS, Javascript and jQuery.
- Created an iOS app with a today widget extension in Objective-C and published it. Check it out [here](#).

Projects

Web Application

ANIMEURGE

Mar. 2017 - PRESENT

- Developed web app in HTML, CSS, and Javascript and integrated the Chart.js and jQuery Mobile libraries.
- Extracted data by parsing JSON from RESTful AniList API using OAuth 2.0 through XMLHttpRequests.
- Integrated a watchlist feature and a recommendation algorithm to recommend based on the user's watchlist.

Microcontroller Board

GAME OF LIFE SIMULATION

Nov. 2015 - Dec. 2015

- Developed Conway's game of life in C for 128x32 OLED display on TI Tiva LaunchPad with Orbit BoosterPack.
- Integrated hardware functionality with the board's accelerometer and potentiometer for user interaction.

Java Application

CHAOS GAME SIMULATION

Dec. 2014 - Jan. 2015

- Incorporated OOP principles in an inheritance hierarchy and created display with Java Swing GUI JFrame.

Python Application

TOWER DEFENSE GAME

May. 2013 - Jun. 2013

- Designed and developed in Python using tkinter module to create and display the graphical user interface.

Honours & Awards

2015 **First Place Academic Award with Scholarship**, EMAAN Courtesy of MAC

2015 **President's Scholarship of Distinction**, University of Waterloo

2015 **Top 26th Percentile**, The Sir Isaac Newton Physics Contest

2014 **Computer Engineering Technology Medal**, Sir John A. Macdonald Secondary School