

# Joshua Carnide

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## SKILLS

### PROGRAMMING

Experienced:

Java • C • C++

Familiar:

Python • HTML5 • CSS3 • SQL

MIPS • XML •  $\text{\LaTeX}$

### TOOLS

Experienced:

Android Studio • Git

Familiar:

Vim • SourceTree • Brackets

## EDUCATION

### UNIVERSITY OF WATERLOO

SOFTWARE ENGINEERING

Expected April 2019 | Waterloo, ON

### ST. MARCELLINUS SS

Grad. June 2014 | Mississauga, ON

Honour Roll (All Semesters)

Grad. Avg.: 96.30%

## LINKS

Github://jcarnide

LinkedIn://jcarnide

Personal Site://jcarnide

## COURSEWORK

### WINTER TERM (2015)

Data Abstraction + Implementation

Digital Circuits + Systems

Physics of Electrical Engineering II

Calculus II for Engineering

Algebra

### FALL TERM (2015)

Foundations of Sequential Progr.

Digital Computers

Logic and Computation

Statistics for Engineers

Chemistry for Engineers

## EXPERIENCE

### KIK INTERACTIVE | RELEASE & QA ENGINEER

May 2015 – August 2015 | Waterloo, ON

- Excelled in testing within an Agile environment
- Analyzed product design documentation to ensure the requirements stated were unambiguous and testable
- Designed elaborate test suites to rigorously test all aspects of the product, including unforeseen edge cases, resulting in the discovery of various bugs
- Recommended product design improvements that were appreciated and implemented by product owners, resulting in an enhanced user experience
- Appointed test lead for several features, including one of the largest features to be released in the past four months
- Coded multiple bug fixes for the Android client that were merged into production code and shipped

### REACH | ANDROID APPLICATION

Completed Sept 2015

- An Android application created during Hack The North in a team of four that innovates the way people find their nearby friends and events on Google Maps
- Utilized the Facebook SDK to allow users to login through Facebook and thereby connect with other friends
- Developed a feature for the Google Maps interface where users could tap on the map to create custom event markers using the Google Maps SDK
- Assisted with the utilization of the Google Play services location API to detect current location and PubNub to broadcast the location, allowing users to see their friends on the map in real-time

### SMSBOT | Kik Bot

Completed August 2015

- A bot within Kik that allows users to send SMS messages to any phone number in North America via the Twilio API
- Created a PostgreSQL database and deployed it to Heroku for use by the bot
- Developed the bot personality and chat flow in Python

### COMPLEX COMPUTATIONS | ANDROID APPLICATION

Completed Dec 2014

- Created an Android application that handles complex number arithmetic
- Published to the Google Play Store resulting in a 5 star overall rating and 100+ downloads
- Published a second version with bug fixes and UI improvements

## AWARDS

- 2014 President's Scholarship of Distinction | University of Waterloo
- 2014 Vice Principle's Award (3<sup>rd</sup> Highest Average) | St. Marcellinus SS
- 2014 Highest Academic Achievement for CS (100% final mark) | St. Marcellinus SS
- 2014 Highest Academic Achievement for Calculus & Vectors | St. Marcellinus SS
- 2014 Highest Academic Achievement for Advanced Functions | St. Marcellinus SS
- 2013 Principle's Letter of Recognition (Top 10% of avg's) | St. Marcellinus SS
- 2013 Highest Academic Achievement for CS (100% final mark) | St. Marcellinus SS
- 2012 Highest Academic Achievement for CS (100% final mark) | St. Marcellinus SS