

Joshua Carnide

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SKILLS

PROGRAMMING

Experienced:

Java • C • C++

Familiar:

Python • HTML • CSS

MIPS • XML • \LaTeX

TOOLS & TECHNOLOGIES

Android Studio • Vim • SourceTree

Postman • Git • OpenVPN • JIRA

EDUCATION

UNIVERSITY OF WATERLOO

SOFTWARE ENGINEERING

Expected April 2019 | Waterloo, ON

COURSEWORK

Data Structures & Data Management

Algorithms

User Interfaces

Operating Systems

Software Eng Principles

Foundations of Sequential Programs

Data Abstraction and Implementation

LINKS

Github://jcarnide

LinkedIn://jcarnide

Personal Site://jcarnide

AWARDS

President's Scholarship of Distinction

University of Waterloo | 2014

VP's Award (3rd Highest Average)

St. Marcellinus SS | 2014

Highest Mark for CS (100% final mark)

St. Marcellinus SS | 2014

HOBBIES

- Hackathons
- Ping-pong
- Hockey
- Snowboarding
- Android development

WORK EXPERIENCE

TUNNELBEAR | ANDROID DEVELOPER

September 2016 – December 2016 | Toronto, ON

- Built a custom Quick Settings tile for Android Nougat users to control their VPN connection seamlessly from outside the app
- Developed a feature that toggles a VPN connection automatically based on whether the current network has been marked as trusted by the user
- Implemented a split-tunneling feature that enables users to exclude certain apps from networking through the VPN, significantly improving their network speeds
- Took ownership of several releases by managing beta communities, demoing new features, and shipping builds to over a million users in the Google Play Store

BITCIRCLE INC. | ANDROID DEVELOPER

January 2016 – April 2016 | Waterloo, ON

- Implemented an application for a home automation product that consisted of a MVVM architecture with data binding using Google's Data Binding Library
- Built a custom Retrofit 2.0 client with SSL and RxAndroid for secure, asynchronous REST API interaction
- Used jawampa to build a WAMPv2 client for subscribing to device status updates and making procedure calls to command devices
- Integrated Bluetooth LE connectivity into BHealthy for cloud synchronization of health device readings

KIK INTERACTIVE | RELEASE & QA ENGINEER

May 2015 – August 2015 | Waterloo, ON

- 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

PROJECTS

REACH | ANDROID APPLICATION

Sept 2015

- An Android app that innovates the way people find their nearby friends and events on Google Maps
- Utilized the Facebook SDK to allow users to connect through Facebook
- Developed a feature that allowed users to create custom event markers using the Google Maps SDK
- Used the Google Play services location API and PubNub to allow users to see their friends on the map in real-time

SMSBOT | Kik BOT

August 2015

- A bot within Kik that allows users to send SMS messages to any phone number in North America via the Twilio API