

Rajul Arora

3B Computer Engineering
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SUMMARY OF QUALIFICATIONS

- Experience developing and testing iOS applications in an Agile development environment
- Excellent project management skills proven through multiple projects on the University of Waterloo's Robot Racing Team
- Experience working in Linux and Mac OS X environments
- Able to work individually and as part of a team, as demonstrated through work at the Waterloo Autonomous Vehicles Lab

EXPERIENCE

SESAME HQ | IOS DEVELOPER

Apr 2015 - Sept 2015 | Waterloo, ON

- Developed features that interface with Sesame HQ's REST API to achieve a consistent experience between web and mobile platforms
- Designed an app extension to allow users to upload content outside of Sesame HQ's iOS Application

WATTPAD | IOS DEVELOPER

Sep 2014 - Dec 2014 | Toronto, ON

- Re-created Wattpad's onboarding process using AutoLayout to work seamlessly across all devices
- Designed and developed a localization library to achieve a more native flow for translated strings
- Monitored customer feedback through TestFlight and made improvements, resulting in increased stability and positive feedback

WATTPAD | QA ENGINEER - IOS

Jan 2014 - Apr 2014 | Toronto, ON

- Wrote a suite of UI Automation Tests using Selenium WebDriver and Appium to detect bugs and inconsistencies in features
- Used Jenkins CI to automate all unit tests and UI automation tests, allowing for better monitoring of failing tests and code coverage

WATERLOO AUTONOMOUS VEHICLES LAB | ROBOTICS

DEVELOPER

Apr 2013 - Aug 2013 | Waterloo, ON

- Designed a Printed Circuit Board using EagleCAD to simplify switching between power sources
- Controlled servo and throttle motors using serial communications to specify their physical limitations
- Worked with another student to ensure the given software commands matched the resulting mechanical response by using a control loop feedback mechanism
- Used SolidWorks to design a roll cage as well as numerous mounts for sensors to protect sensitive components from damage

PROJECTS

KONTACTS | <https://github.com/r29arora/kontacts>

- Developed an iOS Application with another student that easily allows people to share contact information

SKILLS

PROGRAMMING

Experienced:

Swift • Objective-C • C++ • C • Python

Familiar:

MATLAB • Assembly
Android • MySQL • PHP • HTML

EDUCATION

UNIVERSITY OF WATERLOO

BASC IN COMPUTER ENGINEERING

Grad. June 2017 | Waterloo, ON

LISGAR C.I.

Grad. June 2012 | Ottawa, ON

LINKS

Github: [r29arora](#)

LinkedIn: [rajularora](#)

Website: [rajul.xyz](#)

ASSIGNMENTS

PATH FINDING APPLICATION

- An Android application that uses a device's accelerometer, gyroscope and magnetometer to direct a user to a chosen destination

BATTLE CITY

- Re-creation of a 1990s multi-directional shooter video game using C and Allegro Graphics Library

EXTRA-CURRICULARS

ROBOT RACING TEAM

- Manage, inspect and control the mechanical work used on an autonomous car

BADMINTON CLUB

- Executive member of the University of Waterloo Badminton Club

PHOTOGRAPHY

- Self-taught photographer
- [rabphotography.deviantart.com](#)