Rajul Arora

3A 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 though 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

WATTPAD | iOS Developer
Sep 2014 - Dec 2014 | Toronto, ON

- Developed features and their respective Unit tests to implement designs specified by UI designers
- 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

PROJECTS

RECIPE APPLICATION | https://github.com/r29arora/RecipeApp
(In-Progress)

- An iOS Application written in Objective-C that allows users to store and view their own recipes

WATTPAD LIFE | https://github.com/honghaoz/Wattpad-Life
(Completed)

- Developed an iOS Application with a co-worker that provides a list of Wattpad employees and their respective positions

SKILLS

PROGRAMMING
Experienced:
Objective-C • C++ • C • Python
Familiar:
Swift • 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: **r29arora.github.io**

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