

# RIYA WALIA

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## EDUCATION

2A Computer Science, Co-operative Program,  
Sept 2016 - Present at University of Waterloo, Canada

## SKILLS

Proficient in C++ | C# | Racket | HTML5 | CSS3 | Git  
Familiar with C | SQLServer | JavaScript | PHP | NUnit | Selenium(WebDriver)  
Briefly used JQuery | Moq

## WORK EXPERIENCE

### QUALITY ASSURANCE DEVELOPER

CEL, University of Waterloo – May-Aug 2017, Waterloo

- ❖ Developed a console app (C#) to import flat data into a SQLServer database, that I designed from scratch using the third normal form (3NF).
- ❖ Consulted on testing techniques for an MVC .NET application, introduced team to Selenium & Moq
- ❖ Solely in-charge of Selenium Test Project for MVC Application

### FRONT END WEB DEVELOPER

Rikhi Ram Music – April-Aug 2016, New Delhi, India

[www.rishabsharma.com](http://www.rishabsharma.com)

- ❖ Developed & deployed a personal website from scratch, for a musician– a disciple of world renowned grammy awardee, Shri Ravi Shankhar
- ❖ Worked from home & took important decisions with minimal supervision –learned to excel independently.
- ❖ Self taught HTML5, CSS3, JavaScript, JQuery on the job, as tasks required.

## ACTIVITIES & AWARDS

- ❖ Volunteered as a Mentor & Judge Assistant at the Waterloo HeForShe Equithon (Hackathon) 2017
- ❖ Member of Hack The North 2017 Marketing Team
- ❖ Participated in Hack The North 2016 & 2017, EC Hacks 2016
- ❖ Volunteered for disaster relief (over 100 hours) 2014
- ❖ Semi-professional Jazz Dancer, 2012-16

## PROJECTS

### 1. EASYEQUAL

(C#, NUnit)

<https://github.com/riyawalia/EasyEqual>

A deep equality comparison library (Individual project).

- ❖ Used reflection and generic types to generate deep equality comparison functions for any simple or nested classes, and primitive data types
- ❖ This library saves a programmer from writing long and repetitive Foo.Equals(Foo toEqual) functions for each class defined.
- ❖ Currently working on implementing detailed exceptions to aid during unit testing

### 2. PATHWAYS

(HTML5, CSS3, JAVASCRIPT, 3.JS)

<https://github.com/pathways-ar>

A web app that uses augmented reality to bring abstract maps to the real world (Group project).

- ❖ Integrated in a newly introduced media API to access the back camera of the device.
- ❖ Assembled and was in charge of the User Interface (UI) & User Experience Design (UX).
- ❖ Researched and worked with new mobile sensors to access the orientation of the phone efficiently by using the gyroscope API.

### 3. CONNECT

(HTML5, CSS3, PHP)

<https://github.com/connecteasily/connect>

A web app that displays social media profiles in one place, letting users easily network (Group project).

- ❖ Worked on back-end by storing user input data and creating an algorithm to create links to social media profiles by username input.
- ❖ Learned PHP on the spot and facilitated file handling
- ❖ Worked on User Interface (UI) & User Experience Design (UX)