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

* 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)