RIYA WALIA

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EDUCATION

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

SKILLS

Proficient in   C++ | C# | Racket | HTML5 | CSS3 | Git
Familiar with   C | SQLServer | PHP | NUnit | Selenium
Briefly used   Javascript | Moq

WORK EXPERIENCE

May - Aug, 2017   **QUALITY ASSURANCE (DEVELOPER)**
CEL, University of Waterloo, Waterloo, CA

* Developed an in-house console app (C#) to import thousands of tickets to a SQLServer database that I designed from scratch using NF3 (table normalization).

* Solely developed a Selenium Project for an MVC .NET app to serve as a framework for future projects to expand upon.

May - Jul, 2016   **FRONT END WEB DEVELOPER**
Rikhi Ram Music, New Delhi, IN

* Developed & deployed a musician's website from scratch.

* Worked from home & took important decisions with minimal supervision —learned to excel independently.

* Self taught HTML5, CSS3, JavaScript on the job, as tasks required.

ACTIVITIES

* Volunteer Mentor at the UWaterloo HeForShe Hackathon '17
* Participant of HackTheNorth '16 & '17, ElectricCity Hacks '16
* Member of UW Hip Hop Club for Spring 2017
* Trained as a semi-professional lyrical jazz dancer 2012-2016

PROJECTS

1. EASYEQUAL   C#, NUnit

A deep equality comparison library (Individual project)

* Used reflection and generic type to generate deep equality comparison methods for all data types - including objects.

* Saves programmers from writing long and repetitive value-based equality methods for any new class defined.

* Currently working on throwing detailed exceptions to aid unit testing.

2. PATHWAYS   HTML5, CSS3, JavaScript, 3.JS

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 & was in-charge of User Interface & User Experience Design

* Researched new mobile sensors to access the orientation of the phone efficiently by using the Gyroscope API

3. CONNECT   HTML5, CSS3, PHP

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

* Primarily worked on back end

* Learned PHP on the spot and facilitated file handling

* Worked on User Interface and User Experience Design

4. INFORMATION WEBSITE   Bootstrap

Currently working on creating an information website for a production house (Freelance work)