

RIYA WALIA

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EDUCATION

Candidate for Bachelor of Computer Science, Co-operative Program, Sept 2016- Present– University of Waterloo, Canada

SKILLS

Proficient in: C++, C#, Racket, HTML5, CSS3, Git
Familiar with: C, SQLServer, JavaScript, PHP
Briefly used: JQuery, MySQL

WORK EXPERIENCE

QUALITY ASSURANCE DEVELOPER

University of Waterloo –May-Aug 2017, Waterloo

- ❖ Developed an app (C#) to import raw data into a SQLServer relational database, that I built from scratch.
- ❖ Currently developing automated testing tools.

FRONT END WEB DEVELOPER

Rikhi Ram Music – April-Sept 2016, India

www.rishabsharma.com

- ❖ Developed & deployed a personal website from scratch, for a musician– a disciple of world renowned grammy awardee, Shri Ravi Shankar
- ❖ 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
- ❖ Participated in Hack The North 2016, EC Hacks 2016
- ❖ Technical head of Mathematics Society 2015-16
- ❖ Volunteer Teacher for the underprivileged at Balwadi & Baasti Welfare (over 80 hours) 2014-15
- ❖ Volunteered for disaster relief (over 100 hours) 2014
- ❖ Awarded a prize in a iGenius National Writing Contest, out of thousands of participants, 2013
- ❖ Semi-professional Jazz Dancer, 2012-16
- ❖ Awarded Most Promising Journalist at Shri Model United Nations 2014
- ❖ Participated in Global Skills & Leadership Programme 2010-2014

PROJECTS

1. 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.

- ❖ 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.

2. CONNECT

(HTML5, CSS3, PHP)

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

A web app that creates user profiles URLs that store links of social media profiles in one place, letting users easily network using Google Tone.

- ❖ Worked on back-end (PHP) by storing data in a database and creating an algorithm to create links to social media profiles by username input.
- ❖ Worked on User Interface (UI) & User Experience Design (UX)
- ❖ Currently working (in a team of 4) to make this an android app, so that users can transmit their profiles using NFC, instead of relying on Google Tone.

3. LIBRARY MANAGEMENT SYSTEM

(C++)

<https://github.com/riyawalia/Library-Management-System>

- ❖ Learned Object Oriented Programming
- ❖ Stored system data in Binary Search Trees & explored other Abstract Data Types.

4. MINESWEEPER

(C++)

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

- ❖ Learnt to efficiently implement array functions by representing the minesweeper grid as a 2D array.
- ❖ Created an algorithm to calculate the number of bombs surrounding the clear tiles the user clicks.