Riya Walia

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SKILLS

PROFICIENT IN
C++ • C# • Python • C
.NET • Racket • Git
Bash • Lua • Cucumber
CSS • HTML • Powershell
NUnit • XUnit

FAMILIAR WITH
React • SQLServer • JS
PHP • Moq • Selenium
Cassandra • Jenkins

EDUCATION

UNIVERSITY OF WATERLOO
3B Computer Science, Co-op
English minor, Class of 2021
• President's Scholarship of
Distinction Award

ACTIVITIES

HACKATHONS
• Hacked at Hack The North &
Electric City Hacks
• Mentored at Starter Hacks & UW
HeForShe Equithon

VOLUNTEER WORK
• Taught underprivileged children in
India how to read & write
• Restored damaged houses in
flooded villages

UW CLUBS
• Developer for Entrepreneurship
Society
• Programming teacher for UW
Technovation

DANCE
• Professional Jazz dancer
• Member of the UW Hip Hop Club

EXPERIENCE

SOFTWARE DEVELOPER | Nuance Document Imaging
Jan 2019 - Present
• Developed key features of the security framework to update & delete datacenters
using C# & Cassandra
• Led a workshop on Python & behaviour driven development to train the agile team
• Rewrote the BDD Python test framework to increase reliability by 90% & reduce
running times by 50%
• Implemented graceful shutdown & health check endpoints in C++ web clients to
reduce calls by 30%
• Introduced integration tests in the Jenkins pipeline

SOFTWARE DEVELOPER | Nuance Communications
Jan 2018 – April 2018
• Developed a globally used prerequisite check & installer tool
• Implemented a C# WPF diagnostic tool for broken clients & services using the
Observer's design pattern
• Collaborated with teams globally to ensure a standardized look for all installers

QA WEB DEVELOPER | UWaterloo, CEL
May 2017 – Aug 2017
• Implemented a C# app & designed an SQLServer database using 3NF to import
1000s of email tickets
• Developed a Selenium testing framework for MVC .NET apps
• Introduced team to Moq to ensure proper unit testing & established a
documentation standard.

PRESIDENT | Gamma Iota Sigma UW Chapter
Jan 2019 – April 2019
GIS is an international insurance professional fraternity with 85+ chapters
• Led an executive team of 12 to start establishing the first Canadian chapter
• Streamlined communication & tasks by establishing an agile-like structure

WEB DEVELOPER | RIKHI RAM MUSIC
May 2016 – July 2016
• Independently deployed, developed & designed a musician's website.

SIDE PROJECTS

EASY EQUAL | C#, NUnit
A deep equality comparison C# library to aid unit tests & help developers
avoid long, repetitive equality definitions
• Used reflection to generate deep equality comparison methods
• Compatible with all data types including nested objects

ENTREPRENEURS' DATABASE | React, Material-UI
An app to help connect developers & designers to startups & projects
• Developed individual project pages using React
• Developing the app as a part of the developer team of Entrepreneurship Society