

Riya Walia

4A Computer Science @ University of Waterloo

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SKILLS

Proficient In C++, C#, Python, Ruby on Rails, C, .NET, Git, Bash, Cucumber, MySQL
Familiar With React, JavaScript, Lua, NUnit Moq, Selenium, Jenkins, Racket

EXPERIENCE

Shopify Plus Waterloo, ON
Backend Developer May 2020 – Aug 2020

Shopify Toronto, ON
Backend Developer Sep 2019 – Dec 2019

- Optimized the Point Of Sale app loading time by 50% using intelligent query batch loading in Ruby on Rails
- Architected and developed a flexible discount system for the POS app
- Improved the efficiency of an error metric used to track the stability of deploys in Datadog
- Integrated VR in the iOS POS app for Hack Days to enable merchants to demo out of stock products

Nuance Document Imaging Waterloo, ON
Software Developer Jan 2019 – Apr 2019

- Rewrote the BDD Python test framework to increase reliability by 90% and reduce running times by 50%
- Implemented graceful shutdown and health check endpoints in C++ web clients to reduce calls by 30%
- Led a workshop on Python and Behavioral Driven Development to train the agile team
- Introduced integration testing in the Jenkins pipeline

Nuance Communications Waterloo, ON
Software Developer Jan 2018 – Apr 2018

- Developed a globally used prerequisite checker and installer tool in Lua; standardized the design and established a common codebase to ensure a consistent look for all company installers
- Implemented a C# WPF diagnostic tool for broken clients and services using the Observer's design pattern

CEL, University of Waterloo Waterloo, ON
QA Web Developer May 2017 – Aug 2017

- Designed a SQLServer database and implemented a C# app to import thousands of tickets
- Developed a Selenium testing framework for MVC .NET apps
- Introduced the team to Moq to ensure proper unit testing and established a documentation standard

PROJECTS

EasyEqual C#, NUnit
A deep equality comparison C# library to aid unit tests by offering a dynamic equality function for all data types.

Entrepreneur's DB React, Material-UI
An app to help connect developers and designers to startups and non-profit projects, developed in a team.

ACTIVITIES

- Hacked at Hack The North & Electric City Hacks; mentored at Starter Hacks and the UW HeForShe equithon
- Volunteered as a developer for the Entrepreneurship Society and a programming teacher for UW Technovation
- Volunteered to restore damaged houses in flooded villages and teach underprivileged children how to write

EDUCATION

University of Waterloo Waterloo, ON
4th Year Computer Science Honours, English Minor, Co-op
Courses: Algorithms, Data Structures, Artificial Intelligence, Operating Systems, Compilers, Databases
Sept 2016 – Apr 2021