

Riya Walia

4A Computer Science @ University of Waterloo

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SKILLS

Proficient In

Ruby on Rails, C++, C#, Python, GraphQL, C, .NET, SQLServer

Familiar With

React, JavaScript, Lua, Moq, Selenium, Jenkins

EXPERIENCE

Shopify Plus

Backend Developer

Waterloo, ON

May 2020 - Aug 2020

Shopify

Backend Developer

Toronto, ON

Sep 2019 - Dec 2019

- Optimized the Point Of Sale app loading time by 50% using intelligent query batch loading in Ruby on Rails
- Designed and implemented a GraphQL schema to expose discounts and a customizable smart grid for 20k users
- Improved the accuracy of an error metric used to track the stability of deploys in Datadog by 30%
- Integrated AR in the iOS POS app for Hack Days to enable merchants to demo out of stock products

Nuance Document Imaging

Software Developer

Waterloo, ON

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

Software Developer

Waterloo, ON

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

QA Web Developer

Waterloo, ON

May 2017 - Aug 2017

- Designed a SQLServer database and developed a C# app to import 1000s of tickets, automating hours of work
- 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

- Mentored at Starter Hacks and the UW HeForShe Equithon; hacked at Hack The North & Electric City Hacks
- 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

4th Year Computer Science Honours, English Minor, Co-op

Waterloo, ON

Sept 2016 - Apr 2021

Courses: Algorithms, Data Structures, Artificial Intelligence, Operating Systems, Compilers, Databases