

Riya Walia

4A Computer Science, University of Waterloo

riyawalia.com
github.com/riyawalia
riyawalia12@gmail.com

SKILLS

Proficient In

Ruby on Rails, Python, C++, C#, C, GraphQL, .NET, SQL Server

Familiar With

React, JavaScript, Jenkins, Lua, Moq, Selenium

EXPERIENCE

Shopify Plus

Backend Developer

Waterloo, ON

May 2020 – Aug 2020

Shopify

Backend Developer

Toronto, ON

Sep 2019 – Dec 2019

- Optimized the loading time of Point Of Sale app 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 an error metric accuracy by 30% for tracking deployment stability in Datadog
- Integrated AR in the iOS POS app to enable merchants to demo out of stock products, as a Hack Days project

Nuance Document Imaging

Software Developer

Waterloo, ON

Jan 2019 – Apr 2019

- Increased the reliability of the Python test framework by 90% and reduced the running time by 30%
- Reduced calls to C++ web clients by 30% by implementing graceful shutdowns and health check endpoints
- Led a workshop on Python and Behavioral Driven Development (BDD) to train the agile team
- Introduced integration testing in the Jenkins pipeline

Nuance Communications

Software Developer

Waterloo, ON

Jan 2018 – Apr 2018

- Developed and globally deployed a prerequisite checker and installer tool in Lua
- Standardized the design and established a common codebase to promote consistency for all product 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

- Automated the weekly importing of 1000s of tickets by deploying a C# app and designing a SQL Server database
- Determined several dependencies in unit tests and introduced the team to Moq to ensure truly isolated tests
- Developed a Selenium testing framework for MVC .NET apps

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 Database

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, Graph Theory, OOP