

# Quang-Tri Do

## Employment

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### Distributel

Software Developer (Full-Time)

Ottawa

Feb. 2020 to Current

- Implemented features and bugfixes in C# for Distributel's flagship application used by thousands of clients
- Collaborated on a major redesign of switch provisioning which replaced outdated internal applications and simplified system architecture
- Promoted the introduction of modern build and deployment practices such as containerization, centralized logging, and CI/CD pipeline
- System owner of three internal applications, handling bugfixes and support for each application
- Composed unit tests for over 40 REST endpoints using C# and xUnit

### BluWave-ai

Software Developer (CO-OP)

Ottawa

May 2019 to Aug. 2019

- Developed backend services consisting of distributed systems, datastores, and fault tolerance in Python and Go
- Designed data collection service with high availability, fault monitoring, and log rotation with expected availability of 95%
- Implemented Azure Edge module used to interface with a city's SCADA system, as well as being integrated with our configuration model
- Collaborated in the development of REST API written in Go covering over 40 endpoints
- Validated and wrote unit tests for backend services written in Go and Python with code coverage of over 90% of the REST API's endpoints

### Ford Motor Company

Testing Automation Tools Developer (CO-OP)

Ottawa

May 2018 to Aug. 2018

- Expanded automated test execution and results analysis, tripling the number of tests executed
- Maintained automated test framework, tools, and test scripts using Python
- Tripled the number of test infotainment systems in their lab environment
- Interfaced with development and engineering teams to identify issues and validate fixes

### Canada Revenue Agency

Java Developer (CO -OP)

Ottawa

Sept. 2017 to Dec. 2017

- Co-ordinated in code reviews with several developers which helped improve knowledge of Java and Model-View-Controller principles
- Developed features for user stories to fix issues in a large-scale Java application consisting of 3 teams
- Designed acceptance tests using the FitNesse framework

## Projects

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### BusTexter

A Python application using Google Maps and Google Mail API that mobile users can use to receive directions via bus to a destination.

### Automify - 2nd Place at Hacking the Future of Work

Chrome web extension that gives insight, using a provided dataset, on the potential of automating a job in the future. Industry specialists and stakeholders nominated our group to present our project to the Trilateral Commission.

### Pocket Space - Hack the North 2019

Web application to display a customizable profile page in augmented reality through a phone's camera, similar to Myspace. Built in 48 hours.

### Personal Website

A responsive website to showcase resume: <https://qtrido.com>

## Contact

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🌐 <https://qtrido.com>

in <https://ca.linkedin.com/in/qtrido>

📍 Roswellt

## Education

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University of Ottawa ·

Sept. 2015 to Dec. 2019

BASc in Software Engineering

Magna cum laude

## Skills

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### LANGUAGES

C#

Python

Java

HTML/CSS

Golang

Javascript

### FRAMEWORKS

Microsoft .Net

ASP.Net

Bootstrap

React

jQuery

### TOOLS AND OTHER TECHNOLOGIES

Git

Jenkins

MySQL/Postgres

Docker

Microsoft Azure

Tomcat

Elasticsearch

Google Cloud Platform