

## CONTACT



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Ottawa || Toronto

## EDUCATION

Honours B.Sc. in Statistics + Minor in  
Computer Science

UNIVERSITY OF OTTAWA

September 2017 - December 2020

## WORK EXPERIENCE

### DEVELOPER/PA TESTER

May 2019 - Present

Government of Canada - Canada Border Services Agency

- Created automated API testing suites using [SoapUI](#) to simulate passages occurring at the border
- Test and validate response to database using [queries](#) for travellers entering/leaving Canada
- Test and implement back-end eDeclaration framework for all airline applications

### TECHNICAL SPECIALIST

September 2017 - February 2019

Apple

- Provide technical support to customers to resolve issues with devices
- Facilitate repair of devices including iPhone, iPad, and Apple Watch

### TECHNICAL INTERN (CO-OP)

April 2018 - September 2018

Government of Canada - Shared Services Canada

- Created workflows and [process diagrams](#) with [Microsoft Visio](#) for higher-level infrastructure of VoIP implementation project
- Met with clients and potential partners for VoIP implementation and conducted site visits to determine readiness for implementation

## PERSONAL PROJECTS

### ROI ANALYSIS/FORECASTING TOOL

March 2020 - September 2020

Consulting Project for WaterAid Canada

- Used [R](#) to analyze donor trends and created [data visualizations](#) to help WaterAid determine how return on investment (ROI) could be maximized
- Created forecasting simulation tool in [R](#) using [Bayesian Networks](#) to predict total donations for any given month based on given parameters

### FLIGHT ROUTE PREDICTION TOOL

September 2019 - December 2020

Consulting Project for Telesat

- Created a [probability prediction tool](#) in [R](#) that took an Origin-Destination flight pairing and returned the possible routes of the flight, to help determine satellite placement for upcoming Telesat LEO network
- Used [R](#) to create [heat maps](#) of flight distribution for any given date to identify where the major influx of flights were located

### PDF SCRAPING TOOL

September 2019 - December 2020

Consulting Project for Canada Energy Regulator

- Created a [PDF Scraper](#) in [R](#) that could scrape tables from PDF formatted Construction Incident Reports
- Created a [dashboard](#) using [PowerBI](#) to identify correlations between Incidents to help prevent future construction incidents in relation to pipelines

## SKILLS

Technical Skills -

Analytic Skills -

R

SAS

Python

PowerBI

HTML

Java

CSS

SQL

Regression

Queuing Theory

Neural Networks

Time Series

Machine Learning

Bayesian Network

Feature Selection

Data Viz