



CHUNYI WANG

<http://chunyiwang.github.io/>

## TECHNICAL SKILLS

C/C#/C++/Java

.NET/MVC

Python/R/SAS/MATLAB

Tableau/PowerBI

SQL Server/MySQL

HTML/CSS/SASS

AngularJS/React

Excel/VBA/Access/Visio

JavaScript/Node.js

Racket/Scheme

Git/TFS

Telerik Kendo UI

Telerik Reporting

Visual Studio

UNIX/Linux

RedwoodHQ/Eclipse

Photoshop/InDesign

## CERTIFICATE

SAS Certified Advanced  
Programmer

Coursera - Machine Learning  
Regression

DataCamp - Completion of 8  
Skill Tracks in Data Science

Mathematics (3B)

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## WORK EXPERIENCE

### IT/DATA ANALYTICS, SCOTIABANK

*Toronto, Ontario - Sept 2018 - Dec 2018*

- Implemented machine learning algorithms such as Cluster Analysis/Decision Tree
- Built business standard reports using RMarkdown(ggplot2), Tableau/PowerBI
- Data preparation for large business datasets using parallel computing

### FULL STACK SOFTWARE DEVELOPER, BOMBARDIER INC.

*Toronto, Ontario - Jan 2018 - Apr 2018*

- Designed, developed and delivered a Workflow Web Application using .Net for aircraft production requirements on time to user specifications
- Implemented internal Wiki Searching Application with SQL Full-text Search
- Designed and maintained complicated relational database

### QUALITY ASSURANCE CONSULTANT / SOFTWARE DEVELOPER, BDO

*Mississauga, Ontario - May 2017 - Aug 2017*

- Implemented a Record Management Web Application using C#, .Net and AngularJS for government with high security requirements
- Wrote design guide for interactive cross-platform website design
- Documented business documents for client budget approval

### QUALITY ASSURANCE CONSULTANT / CONSULTANT, BDO

*Mississauga, Ontario - Sept 2016 - Dec 2016*

- Designed both manual and automated test cases for complex business system for the Canadian dairy boards of eight provinces
- Engaged in client calls for requirement gathering process
- Prepared and presented QA reports (VBA) to lead the weekly team meetings

## PROJECT

### UW COURSES COMMENTS SENTIMENT ANALYSIS

- Web Scraping of UW Flow course reviews using Python over 5000 course links
- Sentiment Analysis of courses comments using Python and R

### STOCK DATA VISUALIZATION DASHBOARD

- Built an Shiny App in R to visualize historical stock data with charts and indicators
- Performance Analytics using Quantmod package for different periods of stock return

### WATERLOO REGION CRIME DATA ANALYSIS

- Analysis of spatial data and plotting interactive map of occurrence with R
- Crime Occurrence Analysis of location and response time of Waterloo Region

### BUDGET CALCULATOR

- Implemented daily budget calculator in AngularJS/HTML to calculate estimated and actual daily budget usage
- Utilized Angular Material Design for displaying forms and tables

## EDUCATION

### CANDIDATE FOR BACHELOR OF MATHEMATICS

*University of Waterloo - 2016 - Present*

- Math/Finance Analysis & Risk Management, Minor in Statistics