**ATHER QURESHI**

**Full Stack Data Scientist**

[**GitHub**](https://github.com/atherqureshi) **|** [**LinkedIn**](https://www.linkedin.com/in/atherqureshi/) **|** [**Website**](https://atherqureshi.github.io/)

[atherqureshi07@gmail.com](mailto:atherqureshi07@gmail.com) | (+1) 647-383-7332 | Toronto, ON

**Summary**

I am a business intelligence professional who loves working on everything involved in machine learning problems. I consider myself somewhere in the intersection between the field of software engineer, data analyst, modeller, and data engineer – which has landed me the role of “Data Scientist”. I am no stranger to system design and consider myself someone who works on the full end-to-end. I am a big fan of open source and love collaborating with others. I like to build awesome things.

**Skills**

**Programming** Python Java C JavaScript Spark Bash

**Full Stack** Linux Docker Kubernetes Flask HTML/CSS HDFS RDBMS NoSQL Redis/MemCached

**Data Science** SQL IPython Sklearn Keras Excel

**Experience**

**Data Scientist**

Bell | Oct 2018 – Present | Toronto, ON

* Led implementation and designed the complete end-to-end solution for a call prediction model which led to 20% decrease in average call time
* Complete ownership of on-demand (sub 500ms SLA) model application using both real-time and batch data
* Used variety of machine learning tools such as Neural Networks and Gradient Boosted Decision Trees for a variety of classification and regression problems
* Designed full CI/CD pipelines to run tests, build images, and deploy to Kubernetes

**Data Engineer**

Bell | Sept 2017 – Oct 2018 | Toronto, ON

* Primary data engineering team that manages over 6 Petabytes of data with over 150+ attributes per customer
* Lead data engineer for campaign tool (SMS, Email, Inbound/outbound calls) – 80M Offers Per Year
* Completed Integration of Small Business Data to our Data Warehouse
* Created Tableau dashboards and SAS macros to assist production in moderating over 8000 ETL Jobs

**Projects**

**Machine Learning and Visualizations**

Western University | May 2017 – August 2017 | London, ON

* Independently created [Decision Visualizer](https://github.com/atherqureshi/4490Z_DecisionTreeVisualizer), an interactive web app to generate and visualization decision trees
* Using Python libraries scikit-learn, numpy and pandas, created a generic script that would parse csv data and create a decision tree classifier
* Made an interactive viewer for the classifer using d3.js that also allowed users to predict new data and see how predictions are made

**HTML5 JavaScript Game**

Western University | Jan 2017 – April 2017 | London, ON

* Lead for [**Attack of the Bubbles**](https://github.com/xchen389/cs4483game) for game design course, utilizing primarily the phaser JavaScript Library
* Developed collision and physics engine, user interface, graphics, animations, localStorage saving system, and wrote game music

**Education**

**Western University | BSc Honours Specialization in Computer Science, Minor in Psychology**

September 2012 – August 2017 | London, ON

* 3.67 cGPA | 3.81 GPA in Major (Computer Science)
* Western Scholarship of Distinction and Dean’s List

**Certifications**

* [**Udacity Full Stack Web Developer Nano Degree**](https://printer.udacity.com/v2/certificate/2USR2AG5/download)|Frontend, Backend, CRUD, deployment, Linux
* [**Machine Learning by Stanford University on Coursera**](https://www.coursera.org/account/accomplishments/certificate/QYDV8SVTZUE2)|Bottom-up ML, statistics, theory, implementation
* [**EDX DAT203.1x: Data Science Essentials**](https://courses.edx.org/certificates/81d62d49b1924ac68fd8bdd8e8239076) | Microsoft Azure, Python, Seaborn, Matplotlib
* [**Teradata: Introduction to Teradata / Advanced SQL Features**](https://courses.teradata.com/learning/cust_ed/_certificate/?FBSFDS5444%3A0Buifs%21Rvsftij0Nbsl%21Kbvtt0) |Performance Tuning, Recursion, OLAP
* [**SAS Programming 2**](https://www.youracclaim.com/badges/f47dd1ec-2ed9-4b77-bf74-61026d212d1c/public_url) and [**SAS Advanced Macro Training**](https://www.youracclaim.com/badges/972224e4-fc1c-43bd-adc1-ccdfa70f0144/public_url) | SAS for analytics/automation

**Extracurricular**

* **President** of Western’s Pakistani Students Association | $2000 Annual Budget | 150 Members