**ATHER QURESHI**

**SOFTWARE ENGINEER | BUSINESS INTELLIGENCE**

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

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**Skills**

* **Languages**: Python, Java, C++, SQL, SAS, Bash, JavaScript, HTML, CSS
* **Extensive** **experience:** System Design, Object Oriented Programming, Machine Learning, Data Warehousing, Microservices, Linux, Tableau, Git, Applied Deep Learning
* **Work in Progress:** Kafka, Kubernetes, Spark, Software Reliability Engineering

**Experience**

[**Bell Canada**](https://bell.ca) **| Data Scientist @ AI Labs Team**

October 2018 – Present | Toronto, ON

* Building architecture to enable machine intelligence applications at scale and empower automated decision-making which impacts the customer at a 1:1 level
* Used variety of machine learning tools such as Neural Networks (CNNs) and Gradient Boosted Decision Trees for a variety of classification and regression problems.
* Designed and implemented complete pipelines for Churn, Call Reasons, and Segmentation problems
* Full Stack Data Science utilizing tech such as Kafka, Kubernetes, Docker and Spark interfacing with data in HDFS and RDBMS (Teradata)
* Using **Python, Spark, Bash, SQL** and libraries such as scikit-learn, pandas, numpy, keras, and Tensorflow

[**Bell Canada**](https://bell.ca) **| Data Engineer**

September 2017 – October 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**

[**Insight Lab**](http://insight.uwo.ca) **| Undergrad Thesis: Machine Learning and Visualizations**

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 classification decision tree
* Made an interactive viewer for the project using d3.js that also allowed users to predict new data

**Western University | HTML5 JavaScript Game**

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 Honors 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

**Certifcations**

* [**Udacity Full Stack Web Developer Nano Degree**](https://printer.udacity.com/v2/certificate/2USR2AG5/download)|Frontend, Backend, Flask, CRUD, deployment
* [**EDX DAT203.1x: Data Science Essentials**](https://courses.edx.org/certificates/81d62d49b1924ac68fd8bdd8e8239076) | Microsoft Azure, Python, Seaborn, Matplotlib
* [**EDX DAT205x: Introduction to Data Analysis using Excel**](https://courses.edx.org/certificates/46ec331154d943dba747fb75e098f98a) |Data Mining, Pivot tables, Macros
* [**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)

**Extracurricular**

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