

# ATHER QURESHI

SOFTWARE ENGINEER | BUSINESS INTELLIGENCE

[GitHub](#) | [LinkedIn](#) | [Website](#)

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## Skills

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- **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

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### [Bell Canada](#) | 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 libraries such as scikit-learn, pandas, numpy, keras, and Tensorflow

### [Bell Canada](#) | 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

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### [Insight Lab](#) | Undergrad Thesis: Machine Learning and Visualizations

May 2017 – August 2017 | London, ON

- Independently created [Decision Visualizer](#), 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](#) 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

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### 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

## Certifications

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- [Udacity Full Stack Web Developer Nano Degree](#) | Frontend, Backend, Flask, CRUD, deployment
- [EDX DAT203.1x: Data Science Essentials](#) | Microsoft Azure, Python, Seaborn, Matplotlib
- [EDX DAT205x: Introduction to Data Analysis using Excel](#) | Data Mining, Pivot tables, Macros
- [Teradata: Introduction to Teradata / Advanced SQL Features](#) | Performance Tuning, Recursion, OLAP
- [SAS Programming 2](#) and [SAS Advanced Macro Training](#)

## Extracurricular

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- **President** of Western's Pakistani Students Association | \$2000 Annual Budget | 150 Members