

# ATHER QURESHI

SOFTWARE ENGINEER | BUSINESS INTELLIGENCE

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

atherqureshi07@gmail.com | (+1) 647-383-7332 | Brampton, ON, Canada

## Skills

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- **Languages:** Python, Java, SQL, SAS, Ruby, Bash, JavaScript, HTML, CSS
- **Extensive experience:** Data Science, Data Warehousing, Microservices, Linux, Tableau, Git

## Experience

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### [Bell Canada](#) | Data Scientist

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
- Full Stack Data Science utilizing tech such as Kafka, Kubernetes, Docker, Spark... interfacing with data in HDFS and RDBMS

### [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
- Created Tableau dashboards and SAS macros to assist production in moderating over 8000 Jobs

### [Grahnlabs](#) | Computer Programmer

September 2016 – April 2017 | London, ON

- Assisted Lab researchers in technical aspects of their experiments revolving around music and neuroscience
- Created pilot experiments in Java and Matlab, that quantified and analyzed audio and video to detect rhythm and create measurable data.

## 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
- Project is now being used as a baseline for future students to iteratively improve

### Western University | HTML5 JavaScript Game

Jan 2017 – April 2017 | London, ON

- Lead for [Attack of the Bubbles](#), 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

- 3.81 GPA in Major (Computer Science) | 3.67 cGPA
- Received Western Scholarship of Distinction and Dean's List

## Certifications

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- [EDX DAT205x: Introduction to Data Analysis using Excel](#) | Data Mining, Pivot tables, Macros
- [EDX DAT203.1x: Data Science Essentials](#) | Microsoft Azure, Python, Seaborn, Matplotlib
- [Teradata: Introduction to Teradata / Advanced SQL Features](#) | Performance Tuning, Recursion, OLAP
- [SAS Programming 2](#) | SAS Procedures, Data Steps, Transformations, Raw Data file reading
- [SAS Advanced Macro Training](#) | Automation, Conditional Logic, Program Flow

## Extracurricular

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