

ATHER QURESHI

Full Stack Data Scientist

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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, 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 classifier 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](#) 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](#) | Frontend, Backend, CRUD, deployment, Linux
- [Machine Learning by Stanford University on Coursera](#) | Bottom-up ML, statistics, theory, implementation
- [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](#) and [SAS Advanced Macro Training](#) | SAS for analytics/automation

Extracurricular

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