ATHER QURESHI

Full Stack Data Scientist

GitHub | **LinkedIn** | **Website**

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Summary

I consider myself somewhere in the intersection between the field of software engineer, data analyst, modeller, and data engineer – to which I summarize as "Full Stack 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 tools and love collaborating with others. I like to build awesome things and to never stop learning.

Skills

Programming	Python Java C JavaScript Spark Bash
Full Stack	Linux Docker Kubernetes Flask HTML/CSS HDFS RDBMS NoSQL Redis
Data Science	SQL IPython Sklearn Keras Excel

Experience

Machine Learning Engineer

Bell | June 2019 – Present | Toronto, ON

- Lead in implementation for call routing machine learning application that affects agent-customer routing in real-time.
- Complete ownership of on-demand (sub 200ms SLA) model applications using both real-time and batch data
- Lead in the architecture, implementation and system design of our modeling applications
- Designed full CI/CD pipelines to run tests, build docker images, and deploy to Kubernetes

Data Scientist

Bell | Sept 2018 – June 2019 | Toronto, ON

- Used variety of machine learning tools such as Neural Networks and Gradient Boosted Decision Trees for a variety of classification and regression problems
- Led implementation and designed the complete end-to-end solution for an on-demand call prediction model which led to 20% decrease in average call time

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
- 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, and used d3.js to create the interactive visualization on the browser.

CRUD Website on Amazon Lightsail

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

- Created a **catalog application** hosted on an amazon elastic container that lists items and allows you to create/read/update/delete items via the front-end.
- NGINX Reverse Proxy, with python backend (uwsgi/flask) and a small sqlite db.
- Google OAuth2, bootstrap front end, SQL alchemy for DB interaction.

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
- **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