

Syed Tanveer Jishan

Skills in programming, machine learning and large-scale data analysis

Address: 1142 Granville Street Apt 1005, Vancouver, BC V6Z1L8

Email: tanveer_syed@live.com

Phone: +1 604-445-7412

Website: sjishan.github.io

LinkedIn: linkedin.com/in/sjishan

Qualifications

Through many data-driven projects I have learned to: (1) structure and clean messy data, (2) develop methods and write the necessary code for data analysis, (3) visualize and present the data in an aesthetically-pleasing and informative way (**D3.js**, **Tableau**), and (4) develop useful data products.

Experience with several programming languages (**C/C++**, **R**, **Python**), source control with **git**, and with various **IDEs** and text editors.

Can create, run, and evaluate a variety of machine learning models with large datasets (using **Apache Spark ML**) and small datasets (**scikit-learn**), as well as deep learning models with **TensorFlow**.

Have a deep understanding of graph theory and networks. I can generate multi-domain property graphs with open-source graph systems (**Neo4J**, **Apache Spark GraphFrames**) to gain insights into the relationships between entities.

Relevant Experiences

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| Machine Learning Developer , Audience Trading Platform Inc., Vancouver, BC
Continuing the projects from the Co-op tenure. Part of the work is data collection, data validation, and data warehousing with Apache Spark using Python. Scalable machine learning algorithms were applied to the large datasets (derived from log file data and many third party data sources) to support customer-facing data products. | May 2017-Present |
| Machine Learning Co-op , Audience Trading Platform Inc. (ATP.io), Vancouver, BC
Worked as part of SFU FAS Co-op placement in order to build predictive models for audience re-targeting with the help of Apache Spark . Large-scale graph was built using Neo4j to generate features for machine learning. TensorFlow was used to build recurrent neural network system for audience behavior modelling. | Apr 2016-Apr 2017 |
| Graduate Assistant – Big Data Lab , Simon Fraser University, Burnaby, BC
Assisted the SFU Big Data students in the lab to program for large-scale data analysis. Oversaw the big data projects developed by the students as part of the coursework. | Sep 2015-Apr 2016 |

Education

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| M.Sc. in Computing Science , Simon Fraser University, Burnaby, BC
- GPA: 3.76/4.33 | Sep 2015-May 2017 |
| B.Sc. in Computer Science , North South University, Dhaka, Bangladesh
- GPA: 3.81/4.00
- Received the highest distinction, Summa Cum Laude | May 2010-Dec 2014 |