

Jumana Bahrainwala

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BBA(Finance)/ BMath(CS)
[jzbahrai.github.io](https://github.com/jzbahrai)

think/ learn/ analyze

EXPERIENCE

UNATA Nov 2015-Present	Data Scientist, Toronto, ON Work on the search engine for an Commerce Platform . Responsible for precision and recall of search, along with any features of the search engine. Designed and deployed the data ingestion pipeline for the Recommendation Engine. <i>Tools used: Python, ElasticSearch, Psql, Redis, Cassandra, scikit-learn, numpy</i>
PIINPOINT May-July2015	Data Engineer, Waterloo, ON Used demographic data based on Geographic Information Systems (GIS) to create clusters using the k-means algorithm to identify different customer segments on a Map <i>Tools used: scikit-learn, Python, Bash, Mongoddb</i>
SCOTIABANK Sept - Dec 2014	Data Scientist, Toronto, ON In charge of ETL process to convert flat files to Database . Developed a web application on Tableau to visualize metadata , identify reverse & forward dependencies, and track changes made to data pipelines. Designed custom tools on internal Django website . Built Risk Assessment Database by working closely with users to understand their needs <i>Tools Used: Bash, Python, MySQL, Tableau, Django.</i>
CI INVESTMENTS Jan - April 2014	Financial Analyst, Toronto, ON Developed fixed income valuation models and trading tools for quick analysis of financial information using Excel, Bloomberg; optimized analytical attribution models for performance data. Qualitatively analyzed FX products in the market
DOMINION BOND RATING SERVICES Jan -April 2013	Junior Financial Analyst , Toronto, ON Analyzed debt structure of oil and gas companies and published DBRS issued industry studies. Spearheaded financial profiling of companies and helped establish rating methodology for Commercial Mortgage Backed Securities

PROJECTS

911 Priority Queue	1st Place, IBM Watson Connected Labs Hackathon Build a web app that analyzes calls to 911 and prioritizes them to decide on their response times. Used the Watson Api and a similarity algorithm to decide on what response times should be.
Data Mining	Given a dataset of keywords, bid prices, search engines; a partner and I used supervised learning to develop logistic models to predict the minimum price companies should bid for Ad-words.

ABILITIES

Languages	Python, C++, C, Bash, R, MATLAB
DataBases	Postgresql, MySql, ElasticSearch, Redis, Cassandra
Operating Systems	Linux, Mac , Windows
Awards	1st Place IBM Watson Connected Labs Hackathon, 2 nd Place New Venture, Semi Finalist ICE Business Competition, Top Laurier Novice Debate

EDUCATION

BMath(CS Minor) from University of Waterloo, 2015. Graduated with Distinction

BBA (Finance Major) from Wilfrid Laurier University, 2015.

Coursera: Data Scientist's Toolkit, R Programming, Machine Learning Foundations, Regression

Udacity: Data Analysis with R

ACTIVITIES

I **tutor students** in Computer Science through Ladies Learning Code. I have given Technical Presentations at ExploreTech Toronto. I will continue to be involved in initiatives that help mobilize Women in Tech. I enjoy rock climbing and travelling. I read the Economist, Foreign Affairs, NYT, Techcrunch, Hacker News, Wired and Fantasy novels in my free time.