Jumana Bahrainwala

5B BBA(Finance)/BMath(CS minor)
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(226)8682149
Graduating Aug 2015(expected)

think/ learn/ analyze
Interested in fulltime roles in Software Engineering and Data Analytics

EXPERIENCE

PIINPOINT May-July2015	**Data Engineer** Used demographic data to create **clusters using k-means** based on GIS information. <u>Tools used:</u> scikit-learn, Python, Mongodb
SCOTIABANK Sept – Dec 2014	**Data Scientist** 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, developed Risk Assessment Database. <u>Tools Used:</u> Bash, Python, MySQL, Django.
CI INVESTMENTS Jan – April 2014	**Financial Analyst** 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** 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
INDEPENDENT ELECTRICITY SYSTEMS OPERATOR Jan – April 2012	**Assistant Market Analyst** Developed monitoring programs to access the Ontario Electricity Market, used electricity pricing models to detect anomalies in the market. Tested hypotheses using simulation tools and started an in depth investigation regarding a market anomaly.

PROJECTS

Rogue	Designed and developed an implementation of the Game Rogue in C++ along with a partner; one of the first games on LINUX. Game was accessible through a CLI and used different libraries.
Data Mining	Given a dataset of keywords, bid prices, search engines; a partner and I developed logistic models to try and predict the minimum price companies should bid for Ad-words.

ABILITIES

Programming	Python, C++, C, Bash, Java, Scheme
Business Applications	Tableau, Hyperion, SQL, MATLAB, DB2, R, MongoDB
Operating Systems	Linux, Mac , Windows

EDUCATION

Candidate for BMath and BBA with a minor in CS and major in Finance from University of Waterloo and Wilfrid Laurier
President's Entrance Scholarship, Dean's Honors List (2011)

Coursera: Data Scientist's Toolkit, R Programming
Udacity: Data Analysis with R

ACTIVITIES

I am an active member of the **UW Dragon Boat Club** and have attended various regattas with them. I enjoy debating and speaking about current affairs through the **UW Model UN Club** and **Laurier Debating Society** (Laurier Novice Debate Champion). My team placed second in the BDO New Venture Competition (300 teams). I have volunteered as a councilor for the **Math Endowment Fund** and made funding decisions. I **tutor students** in Computer Science. I enjoy rock climbing and travelling. I read the Economist, Foreign Affairs, Time, Wired, Fantasy novels and tech news in my free time.