# Jamie Singleton

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## WORK EXPERIENCE

### Projects
- Personal data analysis, data science, and web app projects are available on my GitHub page.

### Insights3/EnviroVeriti                                                    Apr. 2014 – Present
*Data Analysis Consultant*                                                    *Montreal, QC (Remote)*
- Develop Python automation scripts to extract, transform, and load (ETL) multiple data sources into PostgreSQL databases. Consult within a team to design a database structure capable of connecting with front-end JavaScript functions. Write stored PL/SQL functions that convert data into front-end compatible data/data settings.
- Define, implement, and improve statistical models and processes related to setting product sales goals, predicting future product sales, and determining doctors for call targeting (using scikit-learn, pySpark, and Tensorflow).
- Prototype and develop data visualization solutions using Matplotlib, Seaborn, Plotly, d3.js, and Tableau.
- Extract data from websites using webscraping tools (Scrapy) and enhance extracted data using Google APIs (Distance Matrix, Geocoding). Clean extracted datasets and match to existing datasets in order to enhance a.
- Create dynamic client-specific sales incentives reports in Excel/Access utilizing custom VBA modules.

### The Stonehouse of Campbellville                                           Jun. 2010 – Present
*Inventory Manager, Webmaster*                                                *Campbellville, ON*
- Created and initialized a store-wide inventory system. Maintain inventory and determine product displays.
- Migrated PHP/HTML website to Wordpress. Perform regular maintenance and administration duties.

### CIBC                                                                      Sep. 2013 – Dec. 2013
*Business Analyst (Co-op Student)*                                            *Toronto, ON*
- Elicited and documented project requirements including dependency mappings.

### Apotex                                                                    May. 2013 – Aug. 2013
*Systems and Data Management Analyst (Co-op Student)*                         *Etobicoke, ON*
- Co-led a DQA for an SAP migration project. Improved production campaign readiness reporting tools.

### Hydro One Networks                                                        Jan. 2012 – Sep. 2012
*Assistant Performance Analyst (Co-op Student)*                              *Toronto, ON*
- Created and maintained Xcelsius KPI dashboards. Investigated equipment network reliability statistics.

## EDUCATION

### McMaster University | Hamilton, ON                                        Jun. 2014
*Honours BSc, Mathematics and Statistics Co-op (Mathematics Specialization), Computer Science Minor*

### Coursera | coursera.org
*Stanford University – Machine Learning Course Certificate*
*Deeplearning.ai – Deep Learning Specialization Certificate (5 Courses)*
- NNs and Deep Learning, Improving Deep NNs, Structuring ML Projects, CNNs, Sequence Models.

## SKILLS & INTERESTS

- **Skills:** Python, scikit-learn, Javascript, d3.js, SQL, Data Analysis, Data Science, Data Visualization, Machine Learning.
- **Interests:** Piano, calligraphy, chess, board games, Final Fantasy, TF2, Star Trek, Doctor Who.