Jamie Singleton

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WORK EXPERIENCE

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, Plotly, Vega, and Tableau.
- Develop applications related to project management tracking and employee data management.
- Extract data from websites using webscraping tools and enhance extracted data using Google APIs (Distance Matrix, Geocoding). Clean webscraped datasets and match to existing datasets using a multistep process.
- 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.
- Implement and track advertising campaigns using Google Adwords and Facebook promotions.

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 (SAP) 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
- Courses focused on real/complex analysis, differential equations, and numerical analysis.

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, SQL, Postgres, HTML5, CSS3, Javascript, ReactJS, Data Science, Data Visualization, Machine Learning.
- **Interests:** Piano, calligraphy, chess, board games, Final Fantasy, TF2, Star Trek, Doctor Who.