

JAROME LESLIE

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EDUCATION & SKILLS

University of British Columbia, Master of Data Science (MDS). *Sep 2019 – Jun 2020*

University of Waterloo, BMath & BBA Double Degree, Honors. *Sep 2010 – Jun 2015*

Honors: • Barbados government full tuition scholarship awarded to the top 0.5% students (10/year)
• UWaterloo President's scholarship & Co-op of the Year Award Nominee

Certifications: • Udacity Data Engineering Nanodegree (2021)

Competitions: • UBC Learning Analytics Hackathon – Winner, created a discussion [thread recommender](#)
• Capital One Data Mining Cup – Participant, optimized customer targeting strategy using R

Technical skills: Python, SQL, R, Spark, Airflow, Tableau, PowerBI, Docker, AWS (S3, EC2, EMR, Redshift), QGIS

WORK EXPERIENCE

Data Scientist, Data Analyst, TD Bank, *Remote* *Dec 2020 – present*

- Created a centralized dashboard for monitoring production model performance and data drift, updated automatically by monthly Spark jobs (Tableau, Python, Spark)
- Collaborated with fraud and customer authentication stakeholders to scope, develop, and automate executive risk reports on customer identity authentication and experience (Python, SQL)
- Automated reporting pipelines ingesting raw data, performing data hygiene, checking for completeness and accuracy, and generating final reports (Python, SQL)

Data Scientist, Lightspark Inc, *Vancouver BC* *Jul 2020 – Dec 2020*

- Developed ETL pipelines to clean, wrangle, merge and load geospatial, housing, and energy audit data into a structured data architecture facilitating downstream use
- Applied clustering algorithms to discern the main archetypes of single-family dwellings across multiple Canadian cities and trained machine learning models to predict home energy use and carbon footprint
- Created and delivered visually engaging client presentations of the home archetypes with greatest energy savings potential which informed city energy efficiency incentive programs

Senior Consultant, Consultant, Associate, London Economics International, *Toronto ON* *Sep 2015 – Jul 2019*

- Performed hypothesis tests and assessed the statistical significance of electricity price changes under a range of energy market scenarios - e.g., high vs. low natural gas prices; differing timing of new resources
- Forecasted a city utility's 20-year electricity demand using multivariate linear regression (R)
- Quantified the California [electricity customer benefits](#) from new high voltage transmission delivering renewable wind energy from out of state for the WIRES Group

PROJECTS

Master's Capstone project: Unearthing hidden vulnerabilities, *aDolus Inc.*

- Collaborated with peers to develop a containerized NLP [data science pipeline](#) to match cyber security vulnerabilities in vendor advisory reports to affected files. (SQL, Python, AWS, Docker)

Clustering of Chicago Neighborhoods Taxi Use and Demographics

- Applied dimension reduction using Principal Component Analysis and compared the effectiveness of the K-Means and Gaussian Mixture Models algorithms – [see detailed report](#). (Python, SQL)

VOLUNTEERING & LEADERSHIP

Volunteering: Data For Good, Japan Foundation Toronto Gallery Monitor, CIBC Run for the Cure

Leadership: UBC Master of Data Science Student Mentor (2020 & 2021) and Student Representative (2019)

Interests: Tennis, Piano (ABRSM Grade 8 Merit), Space, Soccer (Arsenal FC), Camping, Hiking