# JAROME LESLIE

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## Skills Summary

- Creative Data Scientist with five years of consulting experience in the energy sector and a passion for presenting
- Solid analytical background with experience leading cross-functional project teams
- Team player with a burning desire to help, learn and problem solve
- Awarded Barbados government full tuition scholarship awarded to top 0.5% performing students (10 awarded per year on average)

## Technical Skills

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| **Machine Learning:** | Classification, Regression, Clustering, Natural Language Processing |
| **Statistics:** | A/B testing, Bootstrapping, Time Series Modelling |
| **Languages:** | Python, R, SQL, VBA, MongoDB |
| **Visualization:** | GGplot, Altair, Dash, Tableau, Kepler.gl |
| **Other:** | Git, Docker, MS Office Suite, QGIS |

## Education

**Master of Data Science**, University of British Columbia. *2019 – 2020.*

**Bachelor of Mathematics and Business Administration Double Degree,** University of Waterloo and Wilfrid Laurier University, *2010 - 2015.*

- BMATH – Mathematical Optimization Major, Computational Math and Statistics minor
- BBA – Supply Chain Management Concentration

## Work Experience

### Full-time

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

- Performed clustering of home energy audit data creating a set of home archetypes for Canadian cities and displayed results in the form of an interactive map (Python)
- Containerized the ETL, computing and reporting modules of the analysis pipeline

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

- Forecasted electricity demand and prices using multivariate linear regression (R)
- Achieved stakeholder buy-in for analysis methodology in assessing the impact of utility rate increases gross provincial product and jobs using IMPLAN
- Surveyed renewable project developers in North America, Europe and Australia on the costs and impacts of regulatory delays for the International Energy Agency

### Co-op

**Supply Chain/Logistics Coordinator,** Samsung Canada, *Mississauga ON*        *Winter 2013*

- Saved hundreds of work hours and improved invoice accuracy KPIs by automating invoice processing workflow to SAP input using SQL and VBA

**Manufacturing Services Intern,** Suncor Energy Inc., *Mississauga ON*  ·  *Winter 2012*

- Developed a performance scorecard and other spreadsheet tools to evaluate a key subcontractor and expedite the inventory reconciliation process

**Research Assistant,** Barbados Stock Exchange Inc., *Bridgetown Barbados*  ·  *Summer 2011*

- Examined trading history and stock price volatility issues resulting from low levels of liquidity in tandem with researching the pricing methodologies, annual report distribution laws of foreign stock exchanges

## Data Science Projects

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

- Collaborated with peers to develop an NLP data science pipeline to match cyber security vulnerabilities in vendor advisory reports to associated vendor executable files in an SQL Server database. Solution was containerized in a Docker image and deployed in an AWS EC2 instance saving hundreds of hours of manual work (SQL, Python, AWS)

**Forecasting hourly taxi demand at Chicago's O'Hare International Airport**, *Jan – May 2020.*
- Amalgamated and organized taxi, flight arrivals and weather data from separate sources into a tidy hourly format for time series modelling (SQL, Python)

**Improving student experience on Canvas discussion boards**, HackUBC - Learning Analytics Hackathon Winner, *November 3, 2019.*
- Collaborated with team to develop a thread recommender tool to suggest existing threads to students posting new questions in UBC's Canvas environment (Python, Dash)
- Worked in a team to brainstorm, plan, execute and deliver a presentation and demo

## Publications

Goulding, A.J. and Leslie, Jarome. "Dammed If You Do: How Sunk Costs Are Dragging Canadian Electricity Ratepayers Underwater." *C.D. Howe Institute. Commentary No. 528*. January 2019.

## Extracurricular Activities

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| **Volunteer Experience** | Mentor in UBC MDS Tri-mentoring program (2020), Data For Good (2018), Japan Foundation Toronto (2018); CIBC Run for the Cure (2012) |
| **Clubs** | Association of Caribbean Students Exec (2010), UW Management Consulting Club, Barbados National Youth Symphony Orchestra |
| **Competitions** | UBC Learning Analytics Hackathon Winner (2019), Capital One Data Mining Cup (2014), UW Management Consulting Club (2014) |
| **Awards** | Barbados Government Scholarship (2010), University of Waterloo President's Scholarship (2010), ABRSM Grade 8 Piano with Merit (RCM Level 10 equiv.) |
| **Interests** | Space, Gaming, Tennis, Soccer, Camping, Hiking |