

# Jordan Samek

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Kitchener, ON

## SUMMARY

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A self-taught data scientist with 3 years of data science experience in various domains utilizing advanced analytics and machine learning skills. Passionate about uncovering patterns and insights to bridge the gap between abstract concepts and actionable results by implementing ML models, performing data analysis, and writing clean, effective code.

## KEY SKILLS

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Machine Learning | Communication | Data Preparation | Data Analysis | Problem-Solving | Adaptability  
Data Visualization | Project Management

## PROJECT EXPERIENCE

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### Water Main Break Frequency Prediction

- Developed and deployed a Random Forest regression model to predict the break frequency of water mains, with an 89% accuracy.
- End-to-end data science workflow: Performed data cleaning, feature engineering, model development and deployment, utilizing Streamlit, Heroku, Python & Scikit-Learn

### DoorDash Delivery Duration Prediction

- Analyzed and processed a large dataset for DoorDash to predict delivery time duration (in seconds)
- Conducted extensive data analysis, feature engineering, and hyperparameter tuning to achieve an RMSE of 986.70 seconds (roughly 16 minutes) on the test set using various regression models including XGBoost, LGBM, and MLPRegressor

### Lyft Driver Lifetime Value Analysis

- Developed a predictive model for driver lifetime value using exploratory data analysis and feature engineering, resulting in actionable recommendations for Lyft
- Clustered drivers into categories using KMeans clustering to identify the main factors affecting a driver's lifetime value

## WORK EXPERIENCE

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### Data Analyst - Quantum Virtual Internship

03/2023 - 04/2023

- Conducted analysis on client transaction data to identify customer purchasing behaviour and generated targeted commercial recommendations for store strategy
- Performed Segmentation and Clustering (K-means) on customer purchasing data, as well as uplift modelling to identify benchmark stores to test the impact of trial store layouts on customer sales

### Manager of Operations & Logistics - Wasserman Sports & Entertainment

05/2018 - 03/2020

- Oversaw and led a small team that successfully carried out event marketing activation operations and logistics for NHL/Air Canada partnership
- Actively managed multiple major brand marketing projects for Canadian PGA & LPGA Tour events

## ADDITIONAL INFORMATION

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- **Languages:** Python (NumPy, Pandas, Scikit-Learn, matplotlib, Tensorflow, Keras, PyTorch), SQL, R
- **Frameworks & Tools:** Jupyter Notebooks, Streamlit, Heroku, Tableau, MS Excel
- **Machine Learning:** Regression, Classification, Clustering, PCA, Data Mining, Data Analysis, Predictive Modeling
- **Online Courses & Certificates:** NLP Specialization (deeplearning.ai/Coursera)