

## EDUCATION

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**Simon Fraser University**  
*Bachelor of Science in Data Science*

Burnaby, Canada  
*Sep. 2017 – Jun. 2021*

## EXPERIENCE

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### Lighter Foodprint

*Data Analyst*

Vancouver BC, Canada

*Jan 2022 - present*

**Tableau:** Created client relation management reports using Tableau Dashboards to help inform the customer growth team on partnership expansion.

**API Access:** Implemented a social media digital impact tracker using ChartJS and API calls from Facebook, LinkedIn, and Instagram.

### Reddit Karma Point Tracker

*Web Application*

*Jun 2021 - Sep 2021*

**Flask:** Used Flask from Python to do an initial test built of the backend API.

**AWS:** Deployed the tested Python script on AWS Lambda and connect it to the frontend JavaScript using AWS API Gateway. Stored the crawled data into AWS Aurora serverless database.

**ChartJS:** Processed and delivered the data using ChartJS and vanilla JavaScript hosted on GitHub Pages.

### Drug Shortage Report for Health Canada

*Data Science*

*Jan 2021 - Apr 2021*

**Data Warehousing:** Load and join the dataset from Drug Shortage Canada and Drug Product Database into RStudio.

**Data Visualization:** Used libraries like GGPlot and Dplyr in R to generate multiple visualizations from transformed data.

**Analytic Report:** Produce a two-page written report on various findings regards to the cause of drug shortages in Canada using generated visualization in a two-column layout.

### Dashboard on Topic modeling for EA

*Data Analytic*

*Jan 2021 - Apr 2021*

**Communication:** Independently develop a proof-of-concept to demonstrate to teammates and EA stakeholders potential solutions to word processing challenges.

**Data Wrangling:** Preprocess the raw text data using R and transform them into text corpus and a document feature matrix later used for modeling.

**Natural Language Processing:** Used natural language processing models, such as Latent Dirichlet Allocation and Structural Topic Modeling, to discover hidden trends among player feedback.

**RShiny Dashboard:** Develop and deploy a front-end user interface using Shiny from Rstudio to allow users to extract insight from any text dataset using natural language processing models.

## PROJECTS

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**Ace It - DubHacks 2019:** A PDF scanner that takes questions and solution set then output them into a new PDF which randomizes the questions provided to help generate a realistic practice set.

**CANSSI NCSC Ferry Delay Kaggle competition:** supervised machine learning models using logistic regression, GBM, principal component regression, supported vector machine, gradient boosting, and random forest classifier to increase prediction accuracy for BC Ferry delays

**Green Food Challenge:** An Android Application consist of Carbon Calculator, Community Pledge, and Restaurant Guide to help people collectively reduce greenhouse gas emissions in Metro Vancouver.

## PROGRAMMING SKILLS

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• **Languages:** Python, Javascript, R, SQL, Java     **Technologies:** AWS, Google Cloud, Tableau, Web Hosting