

# Norbert Eke

DATA SCIENTIST

☎ +1 250 878 7547 | ✉ [norberteke@protonmail.com](mailto:norberteke@protonmail.com) | 🏠 [norberte.github.io](https://norberte.github.io) | 📄 GitHub | 🔗 LinkedIn

## Education

### Master of Computer Science Specializing in Data Science

CARLETON UNIVERSITY

Graduated with GPA of 11.4/ 12. [Master's Thesis](#) in NLP, Machine Learning, and Data Mining

*Ottawa, ON, Canada*

*Sept 2018 - June 2020*

### Bachelor of Science Honours in Computer Science, Minor in Data Science

UNIVERSITY OF BRITISH COLUMBIA - OKANAGAN

Graduated with GPA of 3.8/ 4.0. [Honours Thesis](#) in NLP, and Machine Learning

*Kelowna, BC, Canada*

*Sept 2014 - June 2018*

## Skills

### Interpersonal Skills

**Intellectual Curiosity, Teamwork, Excellent Leadership & Communication Skills**, Time Management, Motivation, Positive Mindset, **Critical Thinking, Data-Driven Problem Solving**

### Programming

**PYTHON, R, JAVA, HTML, Object-Oriented Programming**

### Cloud Technologies

**AWS, AWS SageMaker, BigQuery**

### Platforms and Libraries

**TensorFlow, Keras, SciKit-Learn**, Imbalanced-Learn, StatsModels, **Numpy, Pandas, Matplotlib, SciPy**, SQLAlchemy, SpaCy, Scikit-Optimize, **Gensim, NLTK**, pyLDAviz

### Machine Learning

**Supervised & Unsupervised**: Tree based ML (Random Forest, Boosting), Adversarial &

Bayesian Learning, Linear & Logistic Regression, Outlier Detection, **Classification, Clustering**

### Deep Learning

Neural Nets for **NLP** and **Computer Vision** Applications using MLP, CNN, RNN, LSTM, GRU, GAN

### Statistics

Descriptive Statistics, Probability Theory, Bayesian Statistics, **Time Series Forecasting**,

**Statistical Modeling**, Inference, Dimensionality Reduction (**t-SNE, PCA**), Hypothesis Testing

### Data Analysis

Extensive experience with **Data Cleaning, Wrangling, Visualization** (Tableau, d3.js, ggplot2),

Data Interpretation, **Data Mining**, EDA, Handling **Unstructured Data**, Algorithm Design

### Databases

Extensive experience with SQL, Architecture Design, **MySQL**, PostgreSQL, NoSQL

## Experience

### Graduate Researcher and Teaching Assistant

CARLETON UNIVERSITY

- Performed teaching assistant duties for the **Introduction to Database Design** and **Distributed Computing** courses
- Conducted research on [Software Developer Expertise Learning](#) in Prof. Olga Baysal's **Software Analytics** lab
- Applied the [research](#) to **recruitment and talent search** by determining candidate expertise in **data-driven** ways

*Ottawa, ON, Canada*

*Sept 2018 - April 2020*

### Data Scientist Intern

NATIONAL RESEARCH COUNCIL OF CANADA (NRC)

- Successfully delivered a fully working novel solution for a government client with NRC's Data Analytics Centre
- Performed various **time series analysis** of textual data using **Bayesian changepoint detection** algorithms
- Delivered an extensive report on the analysis results, presented findings to the client, and shipped the source code

*Ottawa, ON, Canada*

*May 2019 - August 2019*

### Undergraduate Researcher

UNIVERSITY OF BRITISH COLUMBIA - OKANAGAN

- Conducted research on **feature-based opinion mining** and delivered a [presentation](#) with our findings at UBC Okanagan (audience of approx. 100 people) – [GitHub](#)
- Designed automated opinion detection from reviews about product features using **Machine Learning**

*Kelowna, B.C, Canada*

*May 2017 - August 2017*

### Undergraduate Teaching Assistant

UNIVERSITY OF BRITISH COLUMBIA - OKANAGAN

- Experience with teaching laboratory classes to hundreds of students for Introduction to **Java I and II, Discrete Structures**, and **Machine Architecture**. Responsible for grading assignments, midterms, and projects

*Kelowna, B.C, Canada*

*Sept 2015 - April 2018*

## Projects

### DEEP LEARNING

*2019-2020*

- Completed 3 courses part of the [TensorFlow in Practice Specialization](#) on Coursera
- Handled **real-world image data** and explored strategies to prevent overfitting, including augmentation and dropout
- Learnt how to **train CNNs, RNNs, GRUs, and LSTMs** for classification and forecasting tasks
- Trained models for *Text Entailment and Semantic Relatedness* task, available on [GitHub](#)

### DATA SCIENCE AND MACHINE LEARNING

*2017-2020*

- Completed an 8-month [Undergraduate Thesis](#) project on Detection of Sexual Predatory Behavior in Chat-rooms, improving my **Data Analytics, Statistical Machine Learning**, and **Natural Language Processing** experience
- Provided **statistical consulting** for the *Statistical Society of Canada* and improved their [conference schedule](#)
- Explored the evolution of Stack Overflow discussions using Sentimental Analysis; available on [GitHub](#)
- Conducted research in **Anomaly Detection** using Generative Adversarial Networks; available on [GitLab](#)