Norbert **Eke**

Data Scientist

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Education

Master of Computer Science Specializing in Data Science — *Ottawa, ON, Canada*
Carleton University — *Sept 2018 - June 2020*
Graduated with GPA of 11.4/ 12. Master's Thesis in NLP, Machine Learning and Data Mining.

Bachelor of Science Honours in Computer Science, Minor in Data Science — *Kelowna, BC, Canada*
University of British Columbia - Okanagan — *Sept 2014 - June 2018*
Graduated with **90 %** in major average. Honours Thesis in NLP, Machine Learning.

Experience

Graduate Researcher and Teaching Assistant — *Ottawa, ON, Canada*
Carleton University — *Sept 2018 - April 2020*
- Worked on my Master's thesis titled *Cross-Platform Software Developer Expertise Learning* in Software Analytics lab.
- Performed teaching assistant duties for the *Introduction to Database Design* and *Distributed Computing* courses.

Data Scientist Intern — *Ottawa, ON, Canada*
National Research Council Canada — *May 2019 - August 2019*
- I worked in NRC's Data Analytics Centre, where I completed a 4-month contract for a government client.
- The project involved various time series analysis of textual data using Bayesian change-point detection algorithms.
- Delivered an internal report, presented our findings, shipped source code, analysis results and demo to the client.

Undergraduate Researcher — *Kelowna, B.C, Canada*
University of British Columbia - Okanagan — *May 2017 - August 2017*
- Conducted research on word embeddings applied in feature-based opinion mining, and presented findings to UBC.
- Designed automated detection of opinions from reviews about certain product features using machine learning.

Undergraduate Teaching Assistant — *Kelowna, B.C, Canada*
University of British Columbia - Okanagan — *Sept 2015 - April 2018*
- I helped hundreds of students apply concepts taught in lectures via hands-on programming labs. I graded assignments, midterms, and projects. Courses taught: Intro to Java I and II, Discrete Structures, and Machine Architecture.

Skills

Programming	**Python**, **R**, Java, SQL, JavaScript, HTML.
Python Libraries	**TensorFlow**, **Keras**, SciKit-Learn, Pandas, Numpy, Matplotlib, Gensim, NLTK, SpaCy, Scikit-Optimize, Imbalanced-Learn, pyLDAviz.
Machine Learning	**Supervised & Unsupervised**: Decision Tree based ML (Random Forest, Bagging, Boosting), Adversarial Learning, Linear & Logistic Regression, Outlier Detection, Classification, Clustering.
Deep Learning	Neural Networks for **NLP** (Text Classification, Text Entailment) and **Computer Vision** Applications (Image Classification) 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), Statistical Modeling, Data Mining, EDA, Handling **Unstructured Data**, Algorithm Design.
Databases	Architecture Design, MySQL, BigQuery, PostgreSQL, NoSQL.
Tools	**Git**, **R Studio**, Tableau, Google Colaboratory, Eclipse, Jupyter, Pycharm.
Soft Skills	**Intellectual Curiosity**, **Teamwork**, **Leadership**, **Communication**, Time Management, Motivation, Positive Mindset, Work Ethic, **Critical Thinking**, **Data-Driven Problem Solving**.

Projects

Online Courses: TensorFlow in Practice Specialization, Coursera Course — May 2020

Master's Thesis: Cross-Platform Software Developer Expertise Learning, Dissertation — April 2020

Deep Learning: Text Entailment and Semantic Relatedness, GitHub — March 2019

Machine Learning Research: Anomaly Detection using Generative Adversarial Networks, GitLab — Fall 2018

Data Science Research: Identification of Sexual Predatory Behavior in Chat-rooms, Bachelors Thesis — Winter 2018

Statistical Consulting: Improved the conference schedule for *Statistical Society of Canada*, GitHub — Fall 2017

Data Science Research: Word Embeddings Applied in Opinion Mining, GitHub — Summer 2017