

Norbert Eke

DATA SCIENTIST

EU Citizen with B Permit Residing in Switzerland

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Education

Master of Computer Science - Specialization in Data Science

CARLETON UNIVERSITY

Graduated with a 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

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

Kelowna, BC, Canada

Sept. 2014 - June 2018

Experience

Data Scientist

MIGROS ONLINE

- Designing end-to-end analytical and ML solutions for **churn detection** and **prediction of customer lifetime values**
- Translating business problems into analytical initiatives to guide **data exploration, modelling and implementation**
- Designing and creating various **dashboards to impact key decision making processes** through **data storytelling**
- **Collaborating closely** with product managers and cross-departmental stakeholders on **retention data strategies**

Zürich, Switzerland

July 2021 - present

Data Scientist

HEALTH CANADA

- **Replaced manual data operations using ML techniques** by automating and scaling the decision making process
- Increased the efficiency and **scaled the resource allocation process** for the **Risk Intelligence and Strategic Operations** team by developing **NLP & Machine Learning models** for predicting the duration of product inspections
- Improved product usability through **cross-functional operations** for data validation and data quality enhancement

Ottawa, ON, Canada

February 2021 - June 2021

Data Science Researcher & Teaching Assistant

CARLETON UNIVERSITY

- Empowering students during office hours & graded assignments for **Intro to Databases** and **Distributed Computing**
- Developed an **AI-driven recruitment algorithm** through [Cross-Platform Software Developer Expertise Learning](#)

Ottawa, ON, Canada

Sept 2018 - June 2020

Data Scientist Intern

NATIONAL RESEARCH COUNCIL CANADA (NRC)

- As a member of the [Data Analytics Centre](#), **enabled 15 external data analysts** to perform complex textual analysis
- Identified unusual events from news articles by designing a novel solution using **Bayesian changepoint detection**

Ottawa, ON, Canada

May 2019 - August 2019

Data Science Researcher

UNIVERSITY OF BRITISH COLUMBIA

- Analyzed user behaviour via **feature-based opinion mining** & delivered a [presentation](#) to approx. 50 people – [GitHub](#)

Kelowna, B.C, Canada

May 2017 - August 2017

Skills

Programming

PYTHON, R, GIT, JAVA, HTML, Algorithm Design, Data Structures, Object Oriented Programming

Databases

Extensive experience with SQL, Database Design, BigQuery, MySQL, PostgreSQL, NoSQL

Software Engineering

Experienced with **Client-Server Applications** ([projects](#)), **Agile Development**, Algorithm Implementation, CI & CD, **Git**, Deployment, **Unit Testing**, **Writing Reports & Documentation**

Cloud & Deployment

GCP (Vertex AI, App Engine, Compute Engine, Cloud Functions & Scheduler), Flask, Docker

ML & DS Libraries

TensorFlow, **Scikit-Learn**, Scikit-Optimize, ImbalancedLearn, PyCaret, StatsModels, **Streamlit**, Tslearn, Sktime, **Numpy**, **Pandas**, **Matplotlib**, Plotly, Seaborn, Lifetimes, SpaCy, **Gensim**, NLTK

Machine Learning

Traditional ML (Random Forest, Decision Trees, SVM), **Regression**, **Classification**, **Clustering**, **Time-series Forecasting**, Feature Selection, **Outlier Detection**, NLP, Hyper-parameter Optim.

Deep Learning

Deep Neural Nets for **NLP & Time-series Forecasting** using MLP, CNN, RNN, LSTM, GRU, GAN

Statistics

Descriptive Statistics, Probability Theory, Regression Analysis, **Bayesian Statistics**, **Statistical Modeling**, AB Testing, Statistical Inference, Dimensionality Reduction, Hypothesis Testing

Data Analysis

Extensive experience with **Data Acquisition**, **Cleaning & Visualization** (Looker & Streamlit dashboards), **Feature Engineering**, **Predictive Modeling**, Handling **Unstructured Data**

Interpersonal Skills

Team-player, Intellectually Curious, Continuous Learner, **Leadership & Communication Skills**, Goal-Oriented, **Time Management**, **Agile Mindset**, **Data-Driven Problem Solver**

Projects

DATA SCIENCE AND MACHINE LEARNING

2017-2022

- [F1 Data Analysis](#): Identified patterns and **race strategies** by visualizing historical lap times from previous **Turkish GPs**
- [F1 Side-Project](#): Built a **binary classifier** using **LSTM** models that predicts if a pit-stop will occur the next lap
- Provided **statistical consulting** services for the *Statistical Society of Canada* and improved their [conference schedule](#)
- Performed Unsupervised **Feature Selection**, **Outlier Detection**, **Time Series Analysis** as [professional development](#)