

CELDRICK NDZE KUTA

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Data scientist with 4+ years of data experience executing data driven solutions to increase efficiency, accuracy, and reliability.

EDUCATION

Illinois State University

MSc. in Applied Statistics

May 2021

Normal, Illinois

University of Yaoundé

June 2016

MSc. in Computer Science

Yaoundé, Cameroon

University of Buea

Fall 2010

BSc. Major in Mathematics/Minor in Computer Science

Buea, Cameroon

SKILLS

Languages: Python, R, SQL, Git, Bash Scripting/Linux, HTML5, CSS, Dash, L^AT_EX, SAS, Java, Github

Soft Skills: Machine Learning, Deep Learning, Feature Engineering, Parameter Tuning, Data Collection, Power BI.

Data Analytics: Data Cleaning , Manipulation , Product development , Data Visualization , Data Mining, Predictive Analytics.

Others: Scikit-learn, statsmodels, XGBoost, Matplotlib, ggplot2, Plotly, dplyr, Pandas, Hadoop-MapReduce, Folium,

Customer Segmentation, Design of Experiment, Hypothesis Testing, Principal Component Analysis, Market Basket Analysis.

EXPERIENCE

Client: AIG

Feb 2019 – Dec 2021

Associate Data Scientist

Houston, Texas

- Involved in classification techniques with ensemble algorithms to predict Insurance Claims severity, achieving 30% more accurate prediction of performance than previous years.
- Performed Exploratory data analysis, Handling outliers and Dimensionality Reduction while performing the machine learning algorithms.

Data Visualization-Power BI

- Designed and deliver and end-to-end business intelligent solution for individual reports and designed the final dashboards to track core KPI's, compare regional performance, analyze the product-level trends and forecasts, and identify high-value customers.
- Build a relational data model with calculated DAX measures for easy automation and scalability.

AFRICSIS

May 2014 – Oct 2017

Linux System Administrator

Yaoundé, Cameroon

- Created an automated process using bash shell scripts to perform user/group administration, file/directory security, authentication and access management to make sure users and groups have the right permission.
- Performed system hardening with the use of shell scripts to upgrade the kernel version of most Dev servers, to ensure that the kernel version was up to date and bug free.
- Orchestrated system monitoring through the use of CLI commands such as “top,ps” to help manage processes and application usage which in return helped us anticipate a decrease in system crash by 5%.
- Scheduled daily and weekly backups to improve systems recovery after a crash to ensure that there is never a massive loss of vital information in the process.

OTHER PROJECTS

Recommender Systems | *R-Studio*

May 2021

- Developed music recommendations with classifier techniques detecting and treatment of outliers, imputing missing values, test predictions and feature importance.

Key Skills: logistic regression, Random Forest, Decision tree classifier, XGBoost.

Travel Package Prediction | *Python, Excel*

May 2020

- Predict which customer is more likely to purchase the newly introduce travel package from a travel company using ML algorithms ensemble techniques with sufficiently large observations elaborating on most significant variables.

Key Skills: Logistic Regression, Bagging, Boosting, Decision Tree, Random Forest, K-means.

Customer Churn Prediction | *Python*

March 2019

- Used ensemble ML Techniques in Python to predict customers who are going to churn in the next 12 months from their bank. Also able to accurately determine when this may happen. Handling of missing values and feature selection further training the model on sufficiently large amount of observations.

Key Skills: Random Forest, GBM, numpy, pandas, seaborn, sklearn, imblearn, pickle, statsmodel

CERTIFICATIONS

- IBM Data Science Professional
- Power BI
- AWS SAA
- Society of Actuary Exam P/1. passed
- IFOA course CT 1 and CT2.2018.

LEADERSHIP / EXTRACURRICULAR

- Volunteering at MidWest Food Bank Bloomington-Normal, IL. Loading food transport vans and Trucks. **July 2021**
- Successfully helped and trained class of 25 orphans with disabilities in Wum to Learn basic computer skills like MS word and MS excel. **August 2016**
- Achieved a 4 star fraternity ranking by the Office of Fraternity and Sorority Affairs-University of Yaoundé (highest possible ranking). **Dec 2015**