

### Summary

+ 4 years of combined diverse experience in diversity, equity and inclusion, data analysis, quantitative modelling, experimental design, stochastic processes, project valuation, and investment performance, data interpretation, Extraction, Transformation and Loading on Data. Working experience in programming language such as R software, SAS, Advanced Microsoft excel, SQL, JMP and Python. Frameworks in R and Python are Numpy, Pandas, ggplot2, scipy, dplyr.

### Education

2022–date **MS Statistics**, *University of Nebraska*, Lincoln

2017–2021 **BSc Mathematics**, *Kwame Nkrumah University of Science and Technology*

### Experience

#### Graduate Teaching Assistant

08/2022– **1<sup>st</sup>**, UNIVERSITY OF NEBRASKA-LINCOLN, Lincoln

Present Detailed achievements:

- Assist mentor with tutoring over 40 undergraduate students in Introductory Statistics and Hypothesis Testing
- Analyze data of undergraduate students for use in the projects
- Grade quizzes, midterm exams and end of semester exams

#### Teaching Assistant

10/2021 - **2<sup>nd</sup>**, KWAME NKRUMAH UNIVERSITY OF SCIENCE AND TECHNOLOGY, Ghana

07/2022 Detailed achievements:

- Taught Calculus and its applications in Business and health
- Modelled growth of fungi using data analysis techniques and calculus
- Taught Ordinary Differential Equations and its applications in Biomedical and Automobile Engineering
- Assisted undergraduate students research work in Pricing of European Options
- Analyzed multidimensional data of stock prices
- Assisted undergraduate students research work on Factors associated with Perceived Difficulty in Mathematics using Logistic Regression
- Assisted with the application of data wrangling techniques of the multidimensional data

#### Salesperson-Intern

06/2017 - **2<sup>nd</sup>**, DOLLAR POWER SALES AND AUTO-SPARE PARTS, Ghana

08/2017 Detailed achievements:

- Analyzed the movement of sales using excel
- Brokered for customers to get items at fair and cheaper prices
- Accounted for daily sales
- Kept track of parts in stock and those in shortage
- Predicted market trends using theory of Markov Chains

## Awards

2020 International Youth Math Challenge Finalist - Bronze Honor

2019 International Youth Math Challenge Pre- Finalist

2018 Gonzaga Achievement Award

## Computer skills

JMP, python

Microsoft Excel, SAS, R, SQL

## Online Education and Certifications

2020 - 2021 Coursera Online Courses – Introduction to Finance University of Illinois (Urbana-Champaign)

2020 - 2021 Coursera Online Courses - Financial Markets Yale University

2020-2021 Coursera Online Courses - Computer Programming University of Michigan Ann Arbor Python For Everybody

2020-2021 Coursera Online Courses - Project Investment Risk Management

## Languages

English Twi

## Interests

- Music
- Mentorship
- Teaching
- Movies
- Volunteerism
- Public Speaking