

BENSON CYRIL NANA BOAKYE

735 NW 21st Street, Covallis, Oregon 97330

☎ +1 541-286-0930 ✉ bensoncyrilnanaboakye@gmail.com [in linkedin.com/in/cyrilbenson](https://www.linkedin.com/in/cyrilbenson)

EDUCATION

Oregon State University

Master of Science degree in Statistics

September 2023 – Present

Corvallis, Oregon

Kwame Nkrumah University of Science and Technology

Bachelor of Science in Actuarial Science, CGPA 3.72/4.0

August 2018 – September 2022

Kumasi, Ghana

RELEVANT COURSEWORK

- Data Structures
- Time Series Analysis
- Machine Learning
- Statistical Consulting
- Big Data Analytics
- Database Management
- Algorithms Analysis
- Statistical Modelling

RELEVANT EXPERIENCE

Oregon State University

Graduate Teaching Assistant

September 2023 – Present

Corvallis, Oregon

- Lead weekly recitation sessions that give 100+ students practical skills in data science and statistical methods.
- Collaborate with tutors to guide students in a dedicated section for practical applications, showcasing proficiency in programming languages such as Python and R and data manipulation libraries including Pandas and NumPy.
- Maintain student confidentiality, grade quizzes and exams, provide feedback, and facilitate effective communication.

Kwame Nkrumah University of Science and Technology

Research and Teaching Assistant

October 2022 – August 2023

Kumasi, Ghana

- Assisted instructors in teaching students statistical modelling and data visualization using sci-kit-learn and Matplotlib.
- Organized tutorials in probability and statistical computing for data analysis for 400+ undergraduate students.
- Fostered improvement in the pass rate of these undergraduate students to +92%.

Social Security and National Insurance Trust

Operations Management Intern

September 2021 – November 2021

Accra, Ghana

- Utilized Python to implement unsupervised machine-learning techniques to evaluate and analyze data from the various sections of the Operations Division which reduced total process time by 16%
- Wrangled big data sets to develop interactive dashboards and analytics using Excel (Power Pivot, Power Query) to assist in the preparation of Divisional action plans.
- Presented results to staff and wrote requested executive summary detailing value and strategies for service designs ensuring customer satisfaction in monitoring Social Security Act compliance for employers and employees.
- Participated in meetings, contributing valuable insights, and providing constructive feedback to boost team collaboration.

TECHNICAL SKILLS

Programming Languages: Proficient in Python, R, SQL, SAS, Large Data Set query.

Big Data & Machine Learning: Python(eg. scikit-learn, NumPy,pandas, matplotlib, Seaborn), MongoDB

Data Science & Miscellaneous Technologies: Data Science pipeline(eg. Cleansing, wrangling, visualization, modelling, interpretation), Time Series, Hypothesis Testing, Tableau, Microsoft PowerPoint, LaTeX typesetting and SPSS.

RELEVANT PROJECT AND LEADERSHIP

Price Predicting Model

November 2023

- Developed a predictive model for a client aiming to forecast apartment prices in Buenos Aires.
- Utilized Python, incorporating key libraries such as matplotlib, pandas, and scikit-learn for linear models and metrics.

West Regional Welfare Head

Ghanaian graduate students in the USA (GRASAG-USA)

October 2023 – Present

- In charge of organizing essential resources for students including healthcare information, mental health,financial aid, etc.

Clubs and Societies President

College of Science

January 2022 – September 2022

Kwame Nkrumah University of Science and Technology

- Collaborated with executives on establishing 7 clubs with 2000+ members, forming partnerships with NGOs for training.

Vice President

College of Science, Actuarial Science Students Association

January 2021 – January 2022

Kwame Nkrumah University of Science and Technology

- Led a team of 5 students to collaborate with Python and R experts, creating 6 workshops with 500+ attendees.
- Initiated a "Food Bank" policy that provided assistance to thirty (30) needy students