Doris Afriyie Amoakohene

| amoakohenedoris040@gmail.com | (928)-300-5706| Flagstaff,Arizona-86005|
| LinkedIn: **Doris Afriyie Amoakohene|**
|GitHub: DorisAmoakohene|

EDUCATION

Northern Arizona University   **Flagstaff, Arizona**
M.S. in Informatics   *Expected Graduation, May 2025*
- o **GPA:**
- o **Related Coursework:** Modern Regression I, Modern Regression II, Unsupervised Learning, large scale Data Structures and Organization

Kwame Nkrumah University of science and Technology(KNUST)   **Kumasi, Ghana**
M.S. in Statistics   *November,2021*
- o **GPA:** 3.400
- o **Related Coursework:** Regression Analysis, Statistical Computing, and Data Analysis, Computing for Mathematics, Time Series Analysis, Multivariate Analysis, Sample Survey Theory, Operations Research, Logic and Set Theory, Probability and Statistics, Literature, Elements of Economics

Kumasi Wesley Girls Senior High School   **Kumasi, Ghana**
Business (West Africa Senior Secondary Certificate Examination)   *May,2017*
- o **Related Coursework:** Financial Accounting, Elective Mathematics, Business Management, Core Mathematics, English, Integrated Science

CERTIFICATION

DATACAMP   ***Online,*** *Dec 2023 – Jan 2024*
- o *Data Manipulation with data.table in R*
- o *Data analyst in R*
- o *Introduction to SQL*
- o *Intermediate R*
- o *Introduction to R*

EXPERIENCE

Northern Arizona University   **Flagstaff, Arizona**
Research Assistant   *Aug 2023 – Current*
- Expanding the Opensource system around data.table in R
- Collaborator to the data.table open-source R package
- Performed performance testing and benchmarking for data.table on GitHub, identifying and implementing performance improvements.
- Assisted in develop a GitHub Action that runs on every pull request.
- Presented two talks:
  - ✓ Benchmarking Performance for the data.table package at the useR! 2024 conference
  - ✓ Optimizing data.table for Machine Learning, at the ASU Machine Learning Conference
- I examine data.table repository, including issues about performance regressions, to create relevant performance tests, and use atime to analyze three different code branches (before regression, regression, fix regression).
- Connect with data.table users and developers through online platforms and listen to their feedback and requests and help solve their problems and improve data.table

Deloitte & Touche   **Accra, Ghana**
Financial Advisory, Corporate Finance   *Nov 2022 – July 2023*
- Used Excel to analyze and interpret statistical results from data available on companies.
- Work with the team in giving merger and acquisition advisory, valuations, and business plan and information memorandum preparation.
- I work with other colleagues to develop expression of interest (EOI) and proposals for opportunities for interested clients.

- Developed statistical and financial models for clients.

National Communication Authority   **Accra, Ghana**
Trainee, Regulatory Division, Billing Unit   *Nov 2021 – Sep 2022*
- I analyze and report monthly data submitted by the Mobile Network Operators (MNOs) and Broadband Wireless Access Operators (BWAs)
- I worked with other colleagues to develop web-based tariff dashboard to house all tariff plans for service providers. This dashboard also analyzes tariffs in the ECOWAS sub-region and highlights Ghana's performance amongst members states.
- I help with the maintenance and updating of the dashboard.
- I perform analysis on tariffs plans submitted by the MNOs to establish base prices from accumulated taxes and compares it with industry average.
- Serving as the secretary of the Tripartite Committee, I record and prepare minutes of meetings for the Committee and follows up with relevant officers to ensure that all action items are addressed.

PROJECTS

Northern Arizona University   **Flagstaff, Arizona**
Researcher   *Aug 2023 – Current*
- Expanding the Opensource system around data.table in R

Kwame Nkrumah University of Science and Technology (KNUST)   **Kumasi, Ghana**
Team Member   *May 2021 -Nov 2021*
- Determinant of savings Behavior of college students using the logistic Regression

PROFESSIONAL MEMBERSHIPS

American Statistical Association (ASA)   **Virgina, United States**
Student Member   *2023 - present*
R-Ladies   **Salzburg, Austria**
Student Member   *2024 - present*
International Society for Data Science and Analytics   **Indiana, United States**
Student Member

ACTIVITIES AND LEADERSHIP

LAG Prestige Foundation   **Accra, Ghana**
Founder and President   *May 2019 – current*
- Monitors the operations of all administrative personnel for all programs, collaborates effectively to carry out meetings and outreach to promote the mission and vision of the foundation, Ensures the effective implementation of projects by supervising and coordinating all individual roles.

Youth Action Movement   **Accra, Ghana**
Treasurer   *Sep 2020 – Aug 2022*
- Leader of an organization of 100+ members, hosting sexual Health Reproduction talks and reaching out to the underprivileged community in Ghana, updating members database, collecting membership dues, keeping, and maintaining the financial books of the branch.

Science Student Association - KNUST   **Kumasi, Ghana**
Deputy Women's Commissioner   *Mar 2019 – April 2020*
- I organized campus events that involved student entrepreneurs and aspiring entrepreneurs to design social enterprises that meet social needs, I trained teams to effectively present their business ideas during our on-campus events, I designed strategies for sponsorship and partnership for our campus events.

Association of Mathematics and Statistics(Ams)- KNUST   **Kumasi, Ghana**
Student Mentor   *Sep 2018 – May 2021*

- Mentoring to my junior colleagues and first year undergraduate students in mathematics and statistics, help in understanding concepts for academic success and, teach them some challenging undergraduate online courses to make education more accessible to all.

Zoetexglobal   **Accra, Ghana**

Secretary   *Aug 2017 – Dec 2021*

- I design youth empowerment programs with my team to mitigate some of the basic problems affecting our communities in Ghana, Updates members of all activities of the organization, write report of activities embarked on, develop program content, educational materials, and training contents for our virtual and onsite activities, I work as an online and onsite facilitator for most of our annual program.

SKILLS

Programming: R, Python, SQL, Excel, Word, PowerPoint, SPSS
Tools: Git