KWAKU OWUSU-ANSAH

Department of Mathematics, Texas A & M University-Commerce
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PROFESSIONAL SKILLS

- R Programming
- LATEX
- Microsoft Excel

EDUCATION

Master of Science in Mathematics   May 2025
East Texas A&M University, Commerce, Texas, U.S.A

Bachelor of Science in Actuarial Science   June 2015
Kwame Nkrumah University of Science and Technology (KNUST), Kumasi, Ghana
Thesis: Mortality Modelling – A case study of Social Security and National Insurance Trust female pensioners

PROFESSIONAL EXPERIENCE

East Texas A&M University, Commerce, U.S.A.   August 2025 to date
Mathematics Instructor
Courses Taught: Math for Business Applications I (Math 1324) & College Algebra (Math 1314) Fall 2025

Graduate Teaching Assistant   January 2023-May 2025
- Paper Grader: Math for Business Applications I (Math 1324) & College Algebra (Math 1314) Summer 2023
- Teacher on Record: Intermediate Algebra (Math 131) Fall 2023
- Teacher on Record: College Algebra (Math 1314) Spring 2024
- Paper Grader: Calculus I (Math 2413) Spring 2024
- Tutor: Math Skills Center Summer 2024
- Teacher on Record: College Algebra (Math 1314) Fall 2024
- Teacher on Record: Math for Business Applications II (Math 1325) Spring 2025

Ascoma (Groupe Chedid Capital), Accra, Ghana   July 2020-January 2023
Account Executive (Full Time)
- Managed risk assessment programs for multinational corporations across various industries.
- Developed risk analysis reports to support strategic decision-making for corporate clients.
- Conducted periodic technical reviews of client insurance policies to detect gaps and improve coverage.
- Negotiated risk pricing to optimize financial protections for businesses.
- Led governance documentation and compliance tracking, ensuring alignment with regulatory standards.
- Supervised junior staff and managed stakeholder engagements to drive client-centric solutions.

Coronation Insurance Ghana, Accra, Ghana   September 2017-June 2020
Reinsurance Underwriter & Actuarial Assistant (Full Time)
- Structured and implemented reinsurance optimization strategies, driving the company to profitability in 2019
- Led risk analysis and reporting for senior management, focusing on reinsurance treaty placements.
- Managed risk appetite frameworks and loss reserve calculations for financial risk assessments.
- Conducted governance reviews and assisted in regulatory validation activities

LEADERSHIP & VOLUNTEERING

- Vice President, NABA East Texas A & M University, Chapter
- President - Ghanaian Students Association, East Texas A & M University, Commerce

AWARDS & RECOGNITIONS

- Bill, Gloria & James Aslan Graduate Student Endowment Recipient Fall 2024
- Bill, Gloria & James Aslan Graduate Student Endowment Recipient Fall 2023
- Mathematics Excellence Award Spring 2023
- Rachel Lafferty Mathematics Endowment Fall 2022

RESEARCH & PROJECTS

- A study on dyadic matrices and their applications- Spring 2025
- A study on vertical and horizontal shear effect on vector fields using Matlab and Python– Fall 2024
- Factors influencing cardiovascular diseases: A study & analysis of 2017-2020 pre-pandemic NHANES data using R– Spring 2024