

## Education

<b>Oklahoma State University</b>	<b>May 2026(Expected)</b>
<i>PhD. Statistics</i>	<i>Stillwater, OK</i>
<b>Youngstown State University</b>	<b>2019 - 2021</b>
<i>MS. Mathematics</i>	<i>Youngstown, OH</i>
<b>Kwame Nkrumah University of Science and Technology</b>	<b>2013 - 2017</b>
<i>BSc. Actuarial Science</i>	<i>Kumasi, Ghana</i>

## Professional Exams and Qualifications

*Statistics for Risk Modeling (SOA) • Financial Mathematics (SOA) • Probability (SOA) • SAS Certified Associate (SAS Global)*

## Technical Skills and Expertise

Microsoft Excel, Python, R, SQL, Excel VBA, Power BI, SAS, KNIME, Weka

## Work Experience

<b>Milliman Life Technology Solutions(LTS)</b>	<b>May – August 2024</b>
<i>Actuarial Intern</i>	<i>Chicago, Illinois</i>

- Conducted economic impact analysis from changes in models' input files, assumptions, and scenarios.
- Created a tool for generating scenarios for model pre-production using Python, attaining about 90% efficiency.

<b>Milliman Life Technology Solutions(LTS)</b>	<b>May – August 2023</b>
<i>Actuarial Intern</i>	<i>Chicago, Illinois</i>

- Developed an interactive dashboard of yield curves using Microsoft Power BI as a basis for a yield curve scenario generation process.
- Conducted in-depth analysis into the liquidity and illiquidity of three different market structures, revealing interesting but important information about the performance of the various markets.

<b>Milliman Financial Risk Management(FRM)</b>	<b>June – August 2022</b>
<i>Actuarial Intern</i>	<i>Chicago, Illinois</i>

- Streamlined and automated attribution reports analysis using Excel VBA, leading to about 80% reduction in reporting time.
- Automated the process of producing financial disclosures using Excel VBA, resulting in efficiency in producing financial disclosures and reducing reporting time by about 85%.

## Some Selected Publications

- Predicting Road Accident Injury Severity for Drivers in Automobile Crashes in United States Using Machine Learning Models and AI.
- Bootstrap Regression for Investigating Macroeconomics Factors Affecting USA Home Prices.
- Modeling Health Insurance Premium Using Bayesian Hierarchical Model.
- A Model for Pricing Insurance using Options.

## Awards & Honors

<b>VIK Family Research Fellowship</b>	<b>May 2025</b>
<i>Oklahoma State University</i>	

<b>Outstanding Graduate Teaching Assistantship Award</b>	<b>December 2024</b>
<i>Oklahoma State University</i>	

<b>International Association of Black Actuaries Achievement Award</b>	<b>May 2024</b>
<i>International Association of Black Actuaries (IABA)</i>	

<b>International Association of Black Actuaries Achievement Award</b>	<b>May 2022</b>
<i>International Association of Black Actuaries (IABA)</i>	

<b>Outstanding Graduate Student in Statistics award</b>	<b>May 2021</b>
<i>Youngstown State University</i>	

## Some Leadership / Extracurricular Activities

<b>Mathematics and Computer Science Judge</b>	<b>2025</b>
<i>Oklahoma State Science and Engineering Fair</i>	

- Reviewed students' innovative projects in science, mathematics, Machine Learning, and Artificial Intelligence, and provided constructive comments and suggestions to encourage and enhance students' development in STEM.