

# JESSE ANNAN

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## EDUCATION

**Georgia State University (GSU)** **Atlanta, Georgia**

MS. Mathematics, Scientific Computing – GPA 3.80 Dec 2024

- Modules include Optimization, Data Mining, Fundamentals of Data Science, and Applied Matrix Algebra.

**Kwame Nkrumah University of Science and Technology (KNUST)** **Kumasi, Ghana**

BS. Mathematics – GPA 3.72 Nov 2021

- Modules include Linear Algebra, Numerical Analysis, Statistics, Mathematical Programming and Calculus.
- Project: Application of Machine Learning in Predicting Hostel Prices: A Case Study of KNUST.

## WORK EXPERIENCE

**Georgia State University** **Atlanta, Georgia**

Graduate Research Assistant Mar 2023 – Present

- I'm under training ([mentor: Dr. Yi Ding](#)) to recreate machine learning research papers and explore ways to improve upon their work.

**Georgia State University** **Atlanta, Georgia**

Graduate Lab Assistant Aug 2022 – Present

- Using Microsoft Excel, I clear up students' misunderstanding about statistical principles and make studying easier.
- Assist lab instructors in resolving students' difficulties with the learning platform, Online Interactive Learning.

**Kwame Nkrumah University of Science and Technology** **Kumasi, Ghana**

Teaching Assistant Nov 2021 – Aug 2022

- To help students better understand algorithms, I supplied Python and MATLAB implementations of the algorithms.
- Created learning resources for students using LaTeX, to assist them keep up with the instructor.
- Analyzed students' quizzes and programming assignments to help me meet their needs during tutorial sessions.

**Presbyterian Senior High School – Osu** **Accra, Ghana**

Teaching Assistant Intern June 2018 – Aug 2018

- Tutored sophomores in math and ICT, proctored, and designed rubrics for grading quizzes and exams.

## TECHNICAL SKILLS

- |                    |                 |                    |                 |
|--------------------|-----------------|--------------------|-----------------|
| • Python 3         | • Data Science  | • Machine Learning | • Data Analysis |
| • Data Exploration | • Git & Git Hub | • Microsoft Excel  | • LaTeX         |

## CERTIFICATES AND AWARDS

- [Coursera] Mathematics for Machine Learning. Nov 2020

## ORGANIZATIONS AND COMMUNITY INVOLVEMENT

- |   |                    |
|---|--------------------|
| • Georgia State's Student Data Corps        | Jan 2023 – Present |
| • Mathematical Association of America (MAA) | Aug 2022 – Present |
| • Black in Mathematics Association (BMA)    | Jan 2022 – Present |