

Desmond Kofi Boateng

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GitHub

EDUCATION

Boise State University

Boise, Idaho

PhD in Computing, Data Science Emphasis

Expected Graduation: December 2028

- GPA: 4.0
- Relevant coursework: Introduction to Data Science, Social Media Mining, Probability and Statistics.

African Institute for Mathematical Sciences

Kigali, Rwanda

MSc in Mathematical Sciences

Graduated: June 27, 2024

- GPA: Very Good Pass
- Thesis: Comparative Analysis of Singular Value Decomposition Based Methods for Image and Video Compression with Julia.
- Relevant coursework: Data-Driven Optimization, Introduction to Neural Networks, Numerical Linear Algebra, High-Performance Computing, Big Data Analytics with Python.

University of Ghana

Accra, Ghana

Bachelor of Arts in Mathematics with Economics

Graduated: November 2021

- GPA: 3.34/4
- Thesis: Khovanov's Categorification of the Jones Polynomial
- Relevant coursework: Computational Mathematics, Calculus of Several Variables, Linear Algebra, Integration Theory & Measure

WORK EXPERIENCE

Machine Learning Engineer

Feb 2024 – Jul 2024

Cape Wesley Consulting

Remote

- Built a classifier using a pre-trained *LegalBERT* model to identify obligations in the *Code of Federal Regulations (CFR)*, achieving 95% accuracy.
- Wrote multiple web scrapers to meet complex scraping needs
- Worked on policy change index connecting political events to politicians.

Tutor for Ghana 1000 Programme

Sept 2023 – Nov 2023

Industry Immersion Africa

Accra, Ghana

- Provided tutoring and mentorship to students participating in the Ghana 1000 Programme, focusing on industry-relevant skills and practical applications.
- Facilitated learning sessions on data analysis, data visualizations to enhance students' employability.

VOLUNTEER EXPERIENCE

Programs Manager

4/2021 – Present

MeetMentors

Supervisor: Mr. George Sarkodie (708-933-3511, may/may not contact)

- Developed the Xplore mentorship program that has reached about 3000 University Students across Africa
- Manage the EQUiP program that has reached about 200 youth across Africa with mentorship in areas such as career development, purpose & vision and leadership development
- Manage the social media pages of the MeetMentors

Volunteer

9/16/2023 – 9/23/2023

Allotey Maths Camp, 2023

Achimota High School, Accra, Ghana

Supervisor: Francis Feehi Torgbor

- Developed content for cryptography for high schoolers
- Worked out daily puzzles with the students
- Facilitated lab sessions for different class sections for the students.

REFERENCES

	Employer	Title	Email
Grady Wright	Boise State University	Dr	gradywright@boisestate.edu
Stefania Lisai	University of St. Andrews	Dr	sl359@st-andrews.ac.uk
Kofi Ampaabeng(*)	Cape Wesley Consulting	Dr.	kofi@capewesely.com