

Elizabeth Cornell Afrakomah Awuku

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Website: <https://cornell-ku.github.io/>

Education

2024 – Present	Msc in Econometrics at Technische Universität Dortmund, Germany
05/2022 – 08/2022	Certificate in Business Management ESMT (European School of Management and Technology) BERLIN - Industry Immersion Africa
2021 – 2022	Msc in Mathematical Science at African Institute for Mathematical Sciences , Ghana <ul style="list-style-type: none">• Focus on Network Theory Application on Neuroscience• Thesis: PageRank, Centrality and the Brain
2016 – 2020	Bsc in Mathematics with Economics at University of Cape Coast, Ghana

Practical Experience

2024 – Present	Student Researcher at BSU Legal, Dortmund, Germany
04/2023 – 09/2023	Pre-Doctoral Intern at the Bernstein Center for Computational Neuroscience Berlin, Sprekeler Lab , Berlin, Germany Website: https://www.sprekelerlab.org/team/ <ul style="list-style-type: none">• Engaged in a six-month computational neuroscience research project that explored the relationship between low-rank structures and E-I connectivity in recurrent neural networks
12/06/2023 – 24/06/2023	Teaching Assistant at TReND in Africa , Ghana <ul style="list-style-type: none">• Taught African students and young researchers the basics of computational neuroscience and machine learning
09/2020 – 12/2021	Research and Personal Assistant at the Women In Statistics (WISStats) Ghana Website: https://wistatsghana.org/about-us/ <ul style="list-style-type: none">• Contributed to the preparation of grant proposals for Ghana's first national tertiary statistics (NTS) quiz and assisted with administrative tasks as needed

09/2020 – 08/2021

University Teaching Assistant at University of Cape Coast,
Department of statistics, Ghana

Presentations

2022

The Beauty of Limited Neural Data (Decoding locomotion in C. elegans)

• Main project presentation at IBRO-Simons Computational Neuroscience Imbizo

Awards and Scholarships

2023

Pre-doctoral Internship Grant (Bernstein Center for Computational Neuroscience Berlin), Germany

2022

ISICNI Scholarship Award (IBRO-Simons Computational Neuroscience Imbizo), South Africa

2021

Masters Scholarship Award (African Institute for Mathematical Sciences), Ghana

Networks and Memberships

08/2023 – Present

Bernstein Network Computational Neuroscience

09/2022 - Present

IBRO-Simons Computational Neuroscience Imbizo Network

Volunteering

2021 – Present

AIMS Girls in Mathematical Sciences Programme (GMSP) ,Ghana

Mentoring young female students who have interest in science related fields

26/09/2023 – 29/09/2023

Bernstein Conference 2023 Organizational Team, Germany

• Collaborated with the organizational team to successfully execute Bernstein conference 2023 by performing various assigned tasks such as technical support

24/06/2023 – 24/06/2023

Soapbox Science Berlin , Germany

• Assisted renowned women in science share science to the general public at Potsdam in Berlin

Social Activities

12/2019 – Current

Annual Community Service (Early Smile Foundation) Founder of an initiative in Ghana that gives back to the community through charity work and science website: <https://cornell-ku.github.io/PROJECTS.html>