

Elizabeth Cornell Afrakomah Awuku

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

Education

2022 – 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

- 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/>

- 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

- 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/>

- 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,

Presentations

2022	The Beauty of Limited Neural Data (Decoding locomotion in C. elegans) <ul style="list-style-type: none">•Main project presentation at IBRO-Simons Computational Neuroscience Imbizo
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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 <ul style="list-style-type: none">• 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 <ul style="list-style-type: none">• 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, youth empowerment and education. website: https://cornell-ku.github.io/PROJECTS.html
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