Emmanuel Agbeli

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Education

2019 – 2021 MSc. Machine Intelligence, African Institute for Mathematical Science Kigali, Rwanda

Program description: A novel fully funded one-year intensive graduate program that provides brilliant young Africans with state-of-the-art training in machine learning and its applications. Advisor: Dr. Naila Murray

2017 – 2019 MSc. Mathematical Sciences, African Institute for Mathematical Sciences (AIMS), Senegal Program description: AIMS is a Next Einstein Initiative (NEI) belonging to a pan-African network of excellence for postgraduate education, research, and outreach in mathematical sciences.

Advisor: Prof. Arne Ring

2012 – 2016 BSc. Statistics, Kwame Nkrumah University of Science and Technology, Kumasi, Ghana Advisor: Dr. Nana Kena

Work Experience

Teaching/Instructor Experience

- July 2021 **Teaching Assistant**, *Neuromatch Academy Deep Learning Summer School*, Online **Duties/Responsibilities**:
 - $\circ\,$ Facilitating and guidance of students from different countries pod discussions.
 - $\circ\,$ Aiding students to solve challenging tasks in deep learning for their projects.
- Sep 2016 Teaching and Research assistant, University of Energy and Natural Resources, Sunyani, Ghana Jul 2017 Duties/Responsibilities:

Organize a preparatory tutorials for students.

- Prepare and mark scripts and projects.
- Assisting the final year students in their research projects.

Research Experience

- 2020 2021 Master's thesis: Self-supervised domain adaptation for visual representation learning, African Institute for Mathematical Sciences, Rwanda
- 2018 2019 Master's thesis: Machine learning in Game theory. Case Study: Tennis on paper, *African Institute* for Mathematical Sciences, Senegal
- 2015 2016 Bachelor's project: Spectral Analysis of Rainfall time series data. Case study: Kumasi Metropolis Rainfall trends., *Kwame Nkrumah University of Science and Technology: Ghana*

Research Interests

Statistical Inference, Probabilistic Models, Image,text and speech processing, Applied Machine and Deep Learning: Vision and Reinforcement learning, Computational Biology

Grants, Scholarships and Academic Honours

- Oct, 2020 Google and Meta Scholarship, AMMI-Rwanda
- Jan, 2019 Mathematical Science for Climate Change Scholarship
- July, 2019 Alumnode Grant worth 4760 euros
- Sep, 2018 DAAD Grants for AIMS-TUC Workshop
- Sep, 2017 Next Einstein Initiative Scholarship
- Sep, 2016 KNUST awards for undergraduate student attaining 1st class honors

Conference, Seminar and Workshop Participation

- April, 2022 Google NLP workshop -Ghana Research Lab, Accra-Ghana
- Dec, 2021 Neural Information Processing Systems, Online
- July, 2021 Neuromatch Academy Summer School, Online
- Dec, 2020 34th Neural Information Processing System Conference, Online
- Sep, 2020 Participated in Heidelberg Laureate Forum, Germany, Online
- May, 2019 45th International Conference on Acoustics, Speech, and Signal Processing
- April, 2019 Ghana Data Science Summit, Accra Ghana
- Feb, 2019 Winter School on "Applied Non-Linear Dynamics", Senegal
- Sep, 2018 AIMS-Senegal Workshop on Applied Mathematics, TU Chemnitz University- Germany.

Volunteerism & Other Activities

- Dec 2021 Moderator for Neurips Black in Al workshop
- Sep 2020 Natural Language Processing Ghana Group.
 - Date
- July 2019 Co-organizer for Bridging the STEM Gap in Rural Africa.

June 2020 Mentor for PyLadies Data Science in Ghana.

Summary of Skills

Technical and Scientific Skills

Machine Learning, Problem solving, Data Analytic, Programming, Communication and Writing skills.

Computer / Computing Skills

Soft Skills

Effective team player, Communication, Interpersonal Relationship, Minimal Supervision, Flexibility

Language Skills

English (Fluent), French (Beginner), Ewe (Native)

Referees

Dr. Naila Senior Research Engineer | *EMEA-Meta Al Research*, Email:murrayn@fb.com Murray

Dr.Jean- Postdoctoral Research Fellow| *Africa Institute for Mathematical Sciences* Claude Email:jeanclaude@aims-senegal.org

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