Festus Oluwatimileyin ADEGBOLA

+716-808-3855 | adegbolafestuso@gmail.com | http://linkedin.com/in/festus-adegbola-5b866a136

EDUCATION

- **University at Buffalo, The State University of New York**　　　　　　　　May 2027
  M.Sc. GIS, PhD. Earth Systems Science
  - Start-up Fellowship
  - 2023, 2024 Abraham-Woldenberg Field Scholarship

- **University of Ibadan, Ibadan, Nigeria**　　　　　　　　　　　　　　　Feb 2020
  B.Sc. Wildlife Management - First Class Honors
  - CGPA 6.7/7.0 (WES Evaluation: **3.84, Summa Cum Laude**)
  - Relevant Courses: Animal Capture Technique, Wildlife Ecological Survey
    Wildlife Stock Assessment, Game Ranching, and Domestication

- **Federal College of Forestry, Ibadan, Nigeria**　　　　　　　　　　　　Nov 2014
  Diploma: Agricultural Technology - Upper Credit Division

RESEARCH EXPERIENCE

- **Master's Thesis Research**　　　　　　　　　　　　　　　Oct 2023 - May 2024
  Title: Understanding the Relationship between Wildfire Events, Smoke Conditions, and Avian Observations: A Data-Driven Analysis Utilizing Citizen Science Datasets.
  - Annotated studies on the effect on wildfire smoke on avian composition
  - Established research methodology from literature review of avian surveys
  - Analyzed the ebird and aerosol concentrations data using R software to generate publishable results

- **Research Assistant, Department of Geography, University at Buffalo**　　　June 2023 - Aug 2023
  - Analyzed social media data to identify occurrences of dust storm events within the U.S.
  - Geolocated the positions of dust storm events generated on Flickr using photo metadata
  - Conducted time-scale analysis for dust storm events identified on Twitter and Flickr
  - Analyzed VIIRS data products to assess aerosol concentrations
  - Analyzed and integrated dust storm warnings issued by the National Weather Service with social media and remote sensing data on dust storm events

- **Honor Thesis Research in Wildlife Management**　　　　　　　　Oct 2019 - March 2020
  - Extensively reviewed and annotated studies on urbanization processes and their influence on bird richness and abundance in Ibadan Metropolis, Nigeria
  - Established research methodology from literature review of avian surveys
  - Analyzed the field data with the R statistical software to generate publishable results

TEACHING EXPERIENCE

- **Teaching Assistant, Department of Geography, University at Buffalo**　　　Aug 2022 – May 2023
  - Instructed introductory course to climate and environmental science to non-STEM college students
  - Marked and graded students' lab reports, quizzes, final examination and projects

- **Teacher, Zenith Secondary School, Nigeria (National Youth Service Corps)**　　June 2021 – Present
  - Taught biology classes to senior year students
  - Prepared course materials, examination questions and answers

WORK EXPERIENCE

- **GIS Analyst, Food Lab, University of Buffalo** June 2023 – Aug. 2023
  - Coordinated and managed all GIS-related tasks for the UB Food Lab
  - Analyzed data, utilizing variables from the social and health environment, to assess food availability and health impacts on obese children aged 7-10

- **Student Assistant, ESRI GIS Conference, Washington D.C** February 2023
  - Provided essential logistical support to the conference team, including assisting with the registration of over 4,500 attendees
  - Supported conference speakers and presenters by providing logistical support for technical workshops, demo theaters, and plenary sessions

- **Wildlife of Africa Conservation Initiative (WACI), Nigeria** Jan 2021 – June 2023
  - Created weekly wildlife content for public awareness on wildlife conservation on WACI's website
  - Created a project plan on a cheetah rewilding project and sea turtle nest monitoring
  - Assisted in writing proposals for outreach grants geared towards wildlife conservation

INTERNSHIPS

- **Institute of Tropical Agriculture (IITA), Forest Centre, Ibadan, Nigeria** Jan 2019 - April 2019
  - Nursed Nigeria's endangered tree species with seeds collected from the wild
  - Educated and entertained tourists about wild flora and fauna conservation while on forest tours.

- **Zoological Garden, University of Ibadan, Nigeria** Nov 2018 - Dec 2018
  - Assisted zookeepers in the cleaning of animal enclosures

  - Charted new guidelines to promote visitors' interest in wildlife conservation

- **Old Oyo National Park, Oyo State, Nigeria** Aug 2018 - Sept 2018
  - Taxidermized dead wildlife, e.g., guinea fowl, to be used as museum specimens
  - Botanically identified forest tree species and documented their economic uses

- **Okomu National Park, Edo State, Nigeria** June 2018 - July 2018
  - Set camera traps for monitoring the activities of forest elephants
  - Observed stakeholder's dialogue between park managers and traditional rulers of neighboring communities
  - Enlightened local communities on the essence of supporting conservation efforts

- **Kainji Lake National Park, Niger State, Nigeria** April 2018 - May 2018
  - Trained in the use of firearm and ballistics for park protection
  - Participated in anti-poaching patrols to protect the park from intruders

MANUSCRIPTS PUBLISHED

- **Adegbola, F.O**, Adeyanju, T.A, Soladoye, B.I, and Ayodele, I.A (2023).
  Predictors of West African Urban Bird Species Richness, and Composition. DOI: 10.1111/aje.13213
- Omogbolahan Samson, I., Victor Olaleye, A., **Adegbola, F.,** & Yewande, A. (2024). Air, Water, and Soil Microbiomes as Catalysts for Smart Agriculture, Urban Ecosystem Revitalization, Climate Adaptation, and Public Health Advancements. International Journal of Scientific Research and Modern Technology (IJSRMT), 3(5), 1–20. https://doi.org/10.5281/zenodo.14874454
- **Adegbola, F.O**, Stuart Evans**,** Andrew Crooks; Crowdsourcing Dust Storms in the United States Utilizing FlickR, 2025. Geojournal. In-press

EXTRACURRICULAR COURSEWORK / CERTIFICATES/ TRAININGS

- GIS Industry Training Package, GISKONSULT, powered by ESRI
- Application of Regression for Research Using R (TAG NG)
- Ecology, Ecosystem Dynamics and Conservation (AMNH and HHMI)
- Animal Behavior and Welfare (University of Edinburgh)
- Prioritizing Species & Spaces (National Geographic)
- Understanding Illegal Wildlife Trade (National Geographic)
- Geographical Information Systems, Mobile GIS: Do it Yourself GeoApps (GEOHACKATHON)

MEMBERSHIPS

- **Member,** American Association of Geographers	2023-Present
- **Student Member,** British Ecological Society, 1029664	2020-Present
- **Member**, Renewable Natural Resources Students' Association (RENARSA)	2018-Present
- **Member**, Nigeria Bird Atlas Project, South West Atlas Team	2016-Present
- **Member**, Ibadan Bird Club (IBC)	2016- Present
- **Member**, Nigerian Society for Environmental Conservation (NSEC)	2016-Present
- **Member**, African Wildlife Foundation (AWF)	2016-Present

WORKSHOPS, TRAINING, AND CONFERENCES

- ESRI Federal GIS Conference	2023
- EEB Preview Mentorship Program, Princeton University	2021
- EEES Scholars Program, Dartmouth College	2021
- Ecology & Evolution Graduate School Preview Program, University of California, Davis	2021
- The 23rd Symposium of International Association of Research Scholars and Fellows	2020
- Conference of the Nigerian Society for Environmental Conservation, 3rd Edition	2019
- Wildlife Society of Nigeria (WISON) Conference	2019
- Workshop training on basic techniques to bat capturing for ecological and conservation studies	2019
- Important Bird Area Monitoring Workshop, IITA, Ibadan	2019

AWARDS AND OTHER ACHIEVEMENTS

- 2023 Abraham-Woldenberg Field Scholarship, UB Department of Geography	2023
- Awardee, Michael Taiwo (MT) Scholarship	2021
- Awardee, Opportunity Funds Program, EducationUSA, Lagos, Nigeria	2021
- Awardee, i-Scholar Initiative Scholarship, Nigeria	2021
- Honorable Mention, EEB Scholars, Department of Ecology and Evolutionary Biology, Princeton	2021
- Best Student in the Wildlife and Ecotourism Management Department, University of Ibadan	2020
- Best Student in the Faculty of Renewable Natural Resources, University of Ibadan	2020
- Honorable Mention, EEB Scholars, Department of Ecology & Evolutionary Biology, Princeton	2020
- Zard Scholarship, Overall Best Student in Practical Year Training Program (PYTP)	2019
- Male Influencer, Global Leadership Summit, University of Ibadan	2019

LEADERSHIP EXPERIENCE

- **President**, Geography Graduate Students' Association, University of Buffalo	2023
- **Head of Capacity Building,** Nigerian Society for Environmental Conservation (NSEC)	2020
- **President,** Renewable Natural Resources Students' Association, University of Ibadan	2019
- **Honorable Member**, Students' Representative Council, University of Ibadan Students' Union	2019
- **Member**, Council of Faculty Presidents, University of Ibadan	2019
- **Chairman**, Academic Committee, Wildlife and Ecotourism Students' Society	2018
- **Farm Leader**, Faculty of Renewable Natural Resources Practical Training Program (PYTP)	2018