

CURRICULUM VITAE

MICHAEL SELORM AGBOZO

CONTACT INFORMATION

Address: Department of Geosciences, Auburn University, Haley Center 20BBB, Auburn, AL 36849

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EDUCATION

PhD. Earth System Science (Ongoing)

MS. Geography, Auburn University (**GPA: 4.0**)

Grad. Certificate, Geographic Information System Science, Auburn University (**GPA: 4.0**)

BA. Geography Education, University of Education, Winneba, Ghana (**1st Class Honors**)

West African Senior Secondary Certificate, Sogakope Senior High School, Ghana

Basic Education Certificate, Comboni Catholic Basic School, Mafi-Kumase, Ghana

CAREER OBJECTIVE

With my special interests in GIScience, geospatial intelligence and leadership development, I aspire to become an astute geospatial technologist, GIS methodologist, entrepreneur and academic who can credibly influence critical decisions on geo-environmental security, geodata development and planning in Sub-Saharan Africa, inform policy via research while offering professional services to institutions, international bodies and agencies that may request my services, and help the underprivileged in my community, especially women and children.

SUMMARY OF SKILLS AND QUALITIES

- Organizing and excellent written communication skills, acquired through student leadership, teaching and volunteering
- Excellent teaching skills acquired through preparation and practice as a licensed geography teacher (in Ghana) and a Graduate Teaching Assistant at Auburn University
- Disciplined and hard-working in a competitive environment with the ability to decongest ambiguity
- Self-motivated, innovative and a responsible team player
- A good grasp of locational, Information and Communication Technologies

WORK EXPERIENCES

2023 to Date GIS Fellow, City of Auburn, Auburn, AL.

- Data editing and quality control
- GIS data analysis
- GIS Data development and UAV data collection for the City of Auburn's (COA) Capital Improvement Projects
- Automation of basic geoprocessing workflows via Python
- Developing a Deep Learning algorithm for tree inventorying and urban forest management

- Assists in GIS Data Management via SQL, Enterprise Databases, and desktop applications
 - Assists the COA GIS Analyst, GIS Technician and GIS Coordinator
- 2022 to Date Graduate Teaching Assistant, Department of Geosciences, Auburn University
- Teaching Aerial Photography and Remote Sensing- Geog 6820/5820 (Fall, 2024)
 - Teaching Cartography & Graphics- Geog 3810 (Spring, 2024)
 - TA, Geographic Information System, (GIS)- Geog 6830/5830 (Fall, 2023)
 - TA, GIS- Geog 6830/5830 (Summer, 2023)
 - TA, Cartography and Graphics- Geog 3810 (Spring, 2023)
 - TA, Advanced GIS- Geog 6880 (Spring 2023)
 - TA, Advanced GIS- Geog 6880 (Fall, 2022)
 - TA, Remote Sensing and Aerial Photography- Geog 6820/5820 (Fall, 2022)
 - TA, Global Geography- Geog 1010 (Spring, 2022)
- 2021-2022 Geography Teacher, Dison Internal School, Burma-Hills, Accra, Ghana
- Designed lesson plans and taught geography classes from grade 9 to 3
 - Class manager for grade 8
- 2018-2022 Analyst and Co-founder, Corriolis Geospatial
- Designing study area maps and topographical maps
 - Statistical data analysis in SPSS
 - Responsible for searching projects and contracts
- 2018-2019 Teaching and Research Assistant, Department of Geography Education, University of Education, Winneba, Ghana
- Responsible for tutorials and grading in Statistical Geography, Remote Sensing and GIS as well as Transport and Space Geography
 - Responsible for undergraduate grade summary reports for the department's Exams Officer
 - Assisted in organizing undergraduate examinations
 - Assisted Exams Officer in data collection and data entry in SPSS on a couple of research projects
 - Performed clerical duties for the department's Exams Officer
- Sept -Dec, 2018 Geography Teacher (Teaching Internship), Adidome Senior High School, Ghana
- Designed lesson plans and taught two first-year geography and economics classes

PUBLICATIONS

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- Agbozo, Michael S., Marzen, Luke J., and Mitra, Chandana (2023) "A Remote Sensing Investigation of the 2022 Invasion of Eastern Ukraine on Agricultural Landcover," *The Geographical Bulletin*: Vol. 64: Iss. 2, Article 8. Available at:
<https://digitalcommons.kennesaw.edu/thegeographicalbulletin/vol64/iss2/8>
- Kursah, M., Biniyam, S., Tarawally, M., Segbefia, D., Kunji, S., Nyametso, J., **Agbozo, M. S.**, Kicheek, C., Owusu-Ansah, E., & Afriyie, A. (2023). *Analysing landcover and green cover change in Winneba using remote sensing and geospatial techniques* (pp. 89–123).

CONFERENCE PRESENTATION AND POSTERS

- Agbozo, Michael S., Luke J. Marzen, and Chandana Mitra. 2024. "Spatiotemporal Evolution of Agricultural Space During Violent Conflicts; an Exploratory Remote Sensing Analysis of the 2022 Russian Invasion of Ukraine." In *Mapping, Monitoring and Modelling for Climate Security*. Oak-Ridge National Lab, Knoxville, Tennessee.
- Agbozo, Michael S., Luke J. Marzen, and Chandana Mitra. 2024. "Spatial Implications of Violent Conflicts on Agricultural Lands; An Exploratory Investigation in a Post-Soviet Space." At *Geoscience Advisory Board Students Poster Session*. Academic Classroom and Laboratory Complex Auburn University.
- Agbozo, Michael S., Luke J. Marzen. 2023. "Remote Sensing & GIS Investigation of Spatiotemporal Landcover Change in the Kharkiv & Luhansk Oblasts During the 2022 Russian Invasion of Ukraine." At *GIS Day Poster Session at the Boykin Community Center*. City of Auburn, Boykin Center, Auburn, Alabama.

PROFESSIONAL MEMBERSHIPS

- 2023 to Date American Association of Geographers (AAG)
- 2022 to Date American Society for Photogrammetry and Remote Sensing (ASPRS)
- 2018 to Date Ghana Geographers' Association (GGA)

CONFERENCES AND WORKSHOPS ATTENDED

- 2024 Geo Ed-Venture, Geosciences GTA Launch and Learn, Department of Geosciences & Biggio Center, ACLC, Auburn University, Auburn-AL
- 2024 GIS 101: GISP Webinar, National States Geographic Information Council (NSGIC), Online Webinar
- 2024 Mid-South Regional Conference, American Society for Photogrammetry and Remote Sensing (ASPRS), Oak Ridge National Laboratory, Oak Ridge, Tennessee
- 2023 15th UF/FL- American Society for Photogrammetry and Remote Sensing (ASPRS) Hybrid Fall Geospatial Workshop, UF Mid-Florida Research & Education Center, Florida
- 2023 Southwest Black Students Leadership Conference, Texas A&M, Texas
- 2019 SPSS Data Analysis Short Course, Modern Solutions Consult, University of Education, Winneba

AWARDS

- 2024 Special Achievement In GIS, SAG Award, ESRI
- 2024 Student Leader of the Year Finalist, AU Involvement Awards, Auburn University, Auburn, AL
- 2023 GIS Fellowship, City of Auburn, Auburn, AL
- 2023 Excellent Mentor Award, Graduate Students Council First Year Experience, Auburn University, Auburn, AL
- 2023 Outstanding Graduate Student Council Senator, Graduate Awards Ceremony, Auburn University, Auburn, AL
- 2023 Outstanding Graduate Student Council Senator, Department of Geosciences, Auburn, University, Auburn, AL
- 2023 Senator of the Month Award (February, 2023), Graduate Students Council, Auburn University, Auburn, AL
- 2022 Graduate Teaching Assistantship, Department of Geosciences, Auburn, AL

- 2018 Citi Opportunity Project on Education (COPE) Scholarship, Citi FM Foundation, Accra, Ghana
- 2018 Certificate of Honor, GEOSA Ambassador of the Year, University of Education, Winneba, Ghana
- 2013 Winner of the National Senior High School Poetry Slam Championship, National Theatre, Accra
- 2011 Best Student Award in Geography, Sogakope Senior High School, Sogakope, Ghana.
- 2011 Best Student Award in Social Studies, Sogakope Senior High School, Sogakope, Ghana.

OUTREACH

- 2024 Event Supervisor, Alabama State Science Olympiad, ACLC, Auburn, AL
- 2023 Organizing Assistant, GIS Day, City of Auburn, Boykin Community Center, Auburn, AL
- 2023 Volunteer, Alabama State Science Olympiad, ACLC, Auburn, AL
- 2022 Judge, SOUTH’S BEST Robotics, Beard Eaves Memorial Coliseum, Auburn, AL
- 2022 Volunteer, Alabama State Science Olympiad, Beard Eaves Memorial Coliseum, Auburn, AL
- 2019 Volunteer, 2nd Africa Interdisciplinary Health Conference (AfIHC 2019), University of Ghana, Noguchi

CO-CURRICULAR ACTIVITIES/ POSITIONS HELD

- 2023/2024 President, African Students Association, Auburn University
- 2022/2023 Graduate Student Council Senator for Geosciences, Auburn University
- 2022/2023 Vice-President, Student Chapter of the American Society for Photogrammetry and Remote Sensing (ASPRS), Auburn University
- 2022/2023 Member, Administrative Review Committee, Auburn University, Auburn, AL
- 2022/2023 Member, Graduate Students Council Welfare and Childcare Committee, Auburn University, Auburn, AL
- 2016/2017 Vice President, Geography Students’ Association (GEOSA), University of Education, Winneba
- 2016/2017 Finance Committee Chairman, Geography Students’ Association, University of Education, Winneba
- 2016/2017 Planning Committee Chairman, Geography Students’ Association, University of Education, Winneba
- 2016/2017 Vetting Committee Member, University Hall Junior Common Room Council Elections, University of Education, Winneba
- 2012/2013 Assistant Senior Prefect, Sogakope Senior High School

REFEREES

- Professor Luke Marzen (PhD)
 Department of Geosciences, Auburn University
 2050 Beard-Eaves Memorial Coliseum, Auburn, AL 36849
 marzelj@auburn.edu
- Professor Chandana Mitra (PhD)
 Department of Geosciences, Auburn University
 2050 Beard-Eaves Memorial Coliseum, Auburn, AL 36849
 czm0033@auburn.edu
- Dr. Matthew B. Kursah (PhD)
 Department of Geography Education, University of Education, Winneba
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