

Chinazaekpere Mary Arukwe

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Education

Bachelor of Science in Geological Sciences

December 2023

Nnamdi Azikiwe University Awka, Anambra State, Nigeria

Thesis: The Geology and Geophysical Investigation of Ukpok and Its Environs, Anambra State, Nigeria.

Work Experience

Cofounder/Geoscientist: GeoBreeza Solutions

June 2023 - Present

- Geoscience data analysis, interpretations and production of geoscientific maps

Laboratory Assistant: Anambra State Material Testing Lab

2023

- Assisted in performing Compaction tests and Aggregate Impact Factor
- Assisted in carrying out particle size distribution analysis and Atterberg's limit tests

Field Research Assistant on Renewable Energy Perception and Awareness in Nigeria: Chinedu Nsude –

Department of Geography and Environmental Sustainability, University of Oklahoma

2023

- Prepared data collection plan for Anambra State
- Conducted surveys for four major business hubs in Anambra state, Nigeria

Intern: Nigerian Geological Survey Agency (NGSA) Asaba/Mikechubbys Dynamic Geosciences Ltd 2021 - 2022

- Completed training in geologic field mapping, well-site geology operations, gully erosion and road failures
- Assisted in geologic field mapping to update the geology of Nigeria
- Impact factor analysis of pollutants for Environmental Impact Assessment
- Principal component analysis of erosion in Southeastern Nigeria and Production of geologic maps for researchers

Professional Courses

2020 - 2023

- Connecting and Collaborating with Others - Dale Carnegie Training Austin
- Presenting with Impact – Dale Carnegie Training Austin
- Research Writing in the Sciences – International Network for the Availability of Scientific Publication (INASP), United Kingdom
- Field Safety Leadership - Society of Exploration Geophysicists, USA
- The Climate Crises: Addressing 5 key areas for change - Young African Leaders Initiative (YALI) Network
- Jobberman Soft-Skills Training - Mastercard Foundation/Jobberman
- Creative Thinking: Tools for Success - Imperial College, London

Skills: Google Suite of office tools, MS Word, MS Excel, MS PowerPoint, Surfer, IPI2win, Res2D, Research and Report Writing, Project Management, Organizational Leadership, Public Speaking, Team Building.

Selected Publications

“Nigeria: Integrated Aquifer Vulnerability Assessment and Pollution Status Evaluation of the NNEWI Industrial Zone”. **Chinazaekpere Arukwe**, Orabueze Chijioke, Obiadi Izuchukwu, Emenaha Ogonna, Onyebum Tochukwu, Amasiani Emeka, Meniru Irene, Igwenagu Chidimma, Ojobo Chinenye (2022). *GWP Toolbox-IWRM Action Hub*. <https://www.gwptoolbox.org/case-study/seg-nau-geophysical-field-camp-integrated-vulnerability-assessment-and-pollution-status>

“Geologic Imaging for Gully Assessment in Calabar Metropolis, Nigeria”. Obiadi, I. I., Emenaha, O. T., Onyebum, T. E., **Arukwe, C. M.**, Amasiani, E. J., Meniru, I. C., Ojobo, C. C., Onwuagba, F. C., (2022). *SEG* <https://seg.org/Education/Student/Student-Programs/Field-Camps/Posters>

“Strong Industry-Academia Relationship: A Tool to Improve the Quality of Geoscience Education in Nigerian Public Universities”. **C. M. Arukwe**, E. E. Ezenwa, I. C. Meniru, O. T. Emenaha (2022). *Journal of Educational Studies*. Volume 4, number 1, 2022, pp. 81-107. <https://publications.uadventus.ro/index.php/jes/article/view/29/28>

“Student Zone: Student Chapter encourages others through Chapters and Universities Mentorship Circle”. **C. M. Arukwe** and T. P. Olanrewaju (2022). *The Leading Edge* 41(8): 575-577. DOI: 10.1190/tle41080575.1

Leadership Experiences

- **Co-chair, SEG Women's Network Student Community (2022 - Present)**
 - Organize monthly virtual networking session tagged "Ask Me Anything".
 - Lead the Quarterly newsletter publication team
- **President, SEG-NAU Student Chapter (February 2022 – August 2023)**
 - Established 10 Student Research Groups with 9 published review papers
 - Won the Best SEG Student Chapter in the World for the Year 2022
 - Organized 10 capacity building webinars, workshops, lecture series and networking meetings attended by over 500 students around the world
 - Organized 2 Geoscientific field camp/campaigns for 99 students and 2 outreach programs to high schools
 - Fostered collaboration with 15 industry professionals and 11 SEG Student chapters in Nigeria to organize the 1st SEG Sub-Saharan African Virtual Conference and Regional Challenge Bowls.
- **Vice President, SEG-NAU Student Chapter (June 2021 – February 2022)**
 - Supervised 5 sub-committees of the chapter's Nano Conference/Local Challenge Bowl
 - Increased Student membership by over 100%
 - Established the SEG Student Chapters' and University's Mentorship Circle
- **Member, Near Surface Geophysics Students Subcommittee (May 2021 - Present)**
 - Moderate webinars on critical life skills for students
- **Secretary, SEG-NAU Local Challenge Bowl Committee (July – September 2021)**
 - Developed and structured the topics and activities for the Nano Conference
 - Mobilized 5 participating universities and 10 facilitators for the Nano Conference/Local Challenge Bowl
 - Led a fundraiser for the Nano Conference/Local Challenge Bowl
- **SEG-NAU Webmaster (February 2020 – June 2021)**
 - Promoted the online visibility of the chapter through 4 social media handles
 - Coordinated 6 online seminars and attracted the SEG Student Chapter outreach Grant award in 2020
 - Mobilized 12 high schools and 30 first year undergraduate students to participate in the SEG Anambra Geoscience Fair

Special Assignments And Community Services

2023-2024 Member, Nigerian Association of Petroleum Explorationists (NAPE Nigeria), University Assistance Program Committee Thinktank

2023-2024 Member, American Association of Petroleum Geologists (AAPG) Top-Line Revenue Growth Ad-Hoc Committee

2022-2024 Chair, Society of Exploration Geophysicists (SEG) Sub-Saharan African Regional Challenge Bowl and Conference Committee

2021-2023 Facilitated up to 10 Speaking engagements for student associations.

Awards and Honors

2020 - 2023

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| • 1 st Place Winner, 2023 Switch International Energy Case Competition | November, 2023 |
| • Award of Service, SEG-NAU Student Chapter | March, 2023 |
| • 1 st Place Winner, AAPG Sustainable Development in Energy Competition | July, 2022 |
| • SEG Foundation and 75 th Anniversary Scholarship Award | June, 2022 |
| • AAPG L. Austin Weeks Undergraduate Grant Award | June, 2022 |
| • SEG Field Camp Grant Awards | April , 2021 and 2022 |
| • Award of Honor and Recognition for Human and Community Development | March, 2022 |
| • Best Technical Paper (10th NMGS-NAPE Mini Conference) | September, 2021 |
| • SEG Foundation/ Chevron Scholarship Award | May, 2021 |
| • Student Chapter Outreach Grant Award | December, 2020 |
| • Most Brilliant and Outstanding Performing Team - SEG Geophysical Field Camp | September, 2020 |

Professional Affiliations

Society of Exploration Geophysicists (**SEG**), Nigerian Association of Petroleum Explorationists (**NAPE Nigeria**), American Association of Petroleum Geologists (**AAPG**), Society of Petroleum Engineers (**SPE**), Nigerian Mining and Geoscience Society (**NMGS**), Association of Environmental and Engineering Geologists (**AEG**), European Association of Geoscientists and Engineers (**EAGE**), World Youth Parliament for Water (**WYPW**)