

BALOGUN, Rufai Omowunmi

Earth Observation Data Scientist

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Skillsets

Python Programming: Numpy, Pandas, Geospatial Libraries, xArray, Dask, PyTest

Remote Sensing/Geospatial Analysis: ArcGIS Products, QGIS, eCognition, SNAP

Spatial Databases: SQL, Postgres/ PostGIS

Machine Learning: sklearn, pytorch, dvc, mlflow

Cloud/HPC: AWS, SLURM, GitLab CI, Linux/Bash, Docker/Kubernetes

Agile Project Management: G-Suite, Slack, Sprint Planning, Risk Management

Scientific Research and Documentation: LaTeX, Markdown/reStructuredText

Professional Experience

Sept. 2024 – present	Research Assistant , Center for Geospatial Analytics, Clark University, Worcester, Massachusetts, USA
Oct. 2022 – July 2024	EO Data Science Researcher , EURAC Research, Bolzano, Italy
Sept. – Oct. 2022	Geospatial Analyst , CDL GeoHUM Lab, Salzburg, Austria (<i>Contract</i>)
May 2020 – Dec. 2021	Research Partner , The Sixth Avis, Ondo State, Nigeria
July – Sept. 2021	Geospatial Analyst , Space4Good, The Hague, Netherlands (<i>Internship</i>)

Education

2024 --	PhD., Geography and Environmental Studies , Clark University, Worcester, Massachusetts
2022	MSc., Geo-Data Science , University of South Brittany, France. (<i>Distinction</i>)
2021	MSc., Earth Observation and Geo-informatics , University of Salzburg, Austria. (<i>Distinction</i>)
2019	B.Tech., Meteorology and Climate Science , Federal University of Technology, (<i>First Class Honors</i>)

Leadership and Community Service

Sept. 2022 – present	Young Professionals Ambassador (Industry) , IEEE Geoscience and Remote Sensing Society (GRSS)
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Certifications

Aug. 2024	Udacity Nanodegree in Agile Software Development
Aug. 2022	Google Project Management Professional Certificate

Awards and Honors

2024	Next Generation Tech Booster Scholarship, Udacity (<i>Online</i>)
2023	Open Research Award, EURAC Open Research
2023	HDCRS Travel Grant, HDCRS Summer School, Reykjavik, Iceland
2022	ESA Living Planet Symposium Student Grant
2020	ESA-Future Earth Joint Program Grant (25,000 Euros)
2020	Erasmus Mundus Joint Master's Degree Scholarship
2019	Best Graduating Student in Meteorology and Climate Science