

TAHA ELZAKI

Mob: +256767010006 - 709661499 | tahaelzaki041@gmail.com | www.linkedin.com/in/taha-elzaki-64191a323

WORK EXPERIENCE

WFP (WORLD FOOD PROGRAMME)

Sudan-North Darfur

Volunteer Data Entry

Sep 2022 - Mar 2023

- Executed effective data collection techniques.
- Enhanced working relationships by participating in team-building activities.

University of Twente

Netherland

GIS Specialist

Mar 2021 - Mar 2023

- Implemented a comprehensive GIS mapping system for Deprivation Area analysis in Khartoum, resulting in a 20% increase in accuracy of displacement durable solutions and socioeconomic reconstruction planning.
- Utilized advanced spatial analysis techniques to identify key areas for intervention within the Deprivation Area mapping system, leading to a 15% decrease in time required for decision-making processes.
- Collaborated with local authorities and stakeholders to integrate real-time data updates into the GIS mapping system, resulting in a 30% improvement in responsiveness to evolving community needs

Federal Ministry of Transport

Khartoum

GIS Specialist

Jan 2020 - Dec 2022

- Analyzed spatial data using GIS software to support urban planning and land use management projects.
- Designed and implemented GIS-based solutions for natural resource management and conservation projects.
- Conducted risk assessments using GIS to support emergency response and disaster management initiatives.
- Conducted spatial analyses to identify trends and patterns in environmental and geographical data.
- Produced detailed thematic maps for presentations, reports, and decision-making, employing advanced cartographic techniques.

Federal Ministry of Transport-River Navigation Authority

Khartoum

Survey Engineer

Jan 2018 - Jan 2020

- Conducted evaluations and calculations to measure, mark and delineate the boundaries of land.
- Developed and maintained a comprehensive database of survey data, facilitating easy access and analysis for future projects.
- Coordinated with environmental scientists to assess potential impacts of projects on local ecosystems, promoting sustainable development.
- Used a wide range of equipment to measure contours, distances and boundaries, including measuring wheels, GPS and geographic information system devices.
- Conducted utility detection surveys, identifying and mapping underground services to prevent disruption during construction activities.
- Collaborated with construction teams to provide precise setting out information, facilitating accurate project execution.

ARECA (AGRICULTURAL ESTIMATED SCIENCE AGENCY)

Khartoum

GIS Surveyor

Jul 2015 - Dec 2015

- Reduced process gaps by effectively training new hires on best practices and protocols.
- Maintained up-to-date knowledge of industry best practices to incorporate into training programs

EDUCATION

Future University

Khartoum, Sudan

Master of Science: Geoinformatics

Graduation Date: Dec 2020

SKILLS & INTERESTS

Skills: CAD skills, Spatial data modelling, GIS Software (ArcGIS pro, ArcGIS Map, QGIS, Erdas Imagine, Global Mapper, SAGA, Grass, Geo_server and google earth engine), Web program: Html5, python, JAVA Script, CSS Fundamentals and SQL expertise, Survey Software: Surfer, Auto Cad civil 3d and Earth work expertise, Data Gathering, Map production, Digitizing skills, Microsoft Office skills (word, Excel)

Soft Skills: Adaptability and Flexibility, Time management abilities, Problem-solving abilities, Excellent Communication, Decision-Making, Team Collaboration, project management

ACHEVMENTS

IDEAMapsudan: Geo-Spatial Modelling of Urban Poverty.(Published paper)

Kuffer, M., Ali, I. M. M., Gummah, A., Da Silva Mano, A., Sakhi, W., Kushieb, I., Girgin, S., Eltiny, N., Kumi, J., Abdallah, M., Bad, M., Ahmed, F., Hamza, M., Wang, J., Elzaki, T., Gevaert, C., & Flasse, C. (2023).

2023 Joint Urban Remote Sensing Event (JURSE). <https://doi.org/10.1109/jurse57346.2023.10144211>

REFERENCES

- Roaa Mohamed El Sabri, Digitalization Officer, WFP, roaa.mohamed@wfp.org
- Monika Kuffer, Dr. at Faculty of Geo-Information Science and Earth Observation, University of Twente, m.kuffer@utwente.nl
- France onyambo, Research Officer, APHRC, fonyambu@aphrc.org
- Eng. Nazar saad, Consultant for Geoinformatics, Federal Ministry of Transport, nazarsaad79@gmail.com
- Eng. Bireer Ibrahim, Manager of Gis department, Federal Ministry of Transport, bireer2@yahoo.com