Thomas Kavoo

Researcher, Hydrologist, GIS Expert

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🌐 https://tkavoo.github.io

⭘ https://github.com/tkavoo

👤 Profile

I am a hydrologist and earth system modeler with a strong background in analyzing water systems and their interactions within the broader Earth system. I have experience developing and implementing models to simulate hydrological processes and assess the impacts of climate change on water resources. My aim is to contribute to a better understanding of Earth 's hydrological cycle and support informed decision-making for sustainable water management.

💼 Employment History

Hydrologist at Georama Engineering Services Limited, Nairobi

December 2019 - February 2021

- Led geophysical surveys, interpreted subsurface data, and prepared technical reports based on research findings and analysis.
- Conducted hydrological data analysis and modeling and assisted in 2-D imaging field surveys and mapping.

Assistant Hydrogeologist at SWAS Water Surveys Limited, Nairobi

September 2016 - September 2017

- Assisted in hydrogeological investigations, geotechnical surveys, and geological assessments for various projects.
- Participated in geophysical studies, borehole siting, and site surveys for water-related and infrastructure projects.

🎓 Education

MS. Natural Resources, Auburn University, Auburn

January 2022

MS. Water Engineering, PAUWES - Tlemcen University, Algeria

September 2017—October 2019

BS. Earth Science with IT, Maseno University, Maseno, Kenya

January 2012—December 2015

🔍 Research Experience

Research Assistant- CWS Lab, Auburn University, Auburn

January 2022

Internship - WASCAL, Ouagadougou, Burkina Faso

March 2019—August 2019

Skills

Microsoft Excel

R

ArcGIS

Python

MATLAB

Earth System Modeling

ArcSWAT

Command Line Scripting

Leadership

Member, NCAR -NEON Workshop Steering Committee.

Member, Outreach and Communications Committee, GSC

Senator, GSC, Auburn University.

Class President, Maseno University.

Founder and Organizing Secretary, ESAMU.

Languages

English

Swahili