

JAPHET KHENDLO

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Mzuzu University
Private Bag 201
Mzuzu
Malawi

A highly motivated Engineering Surveyor and GIS specialist with three years of experience in field work and lecturing in the same field. Eager to learn and provide the best according to my knowledge and through research to ensure quality delivery of any service as assigned. Uses Engineering Surveying and GIS Software's to deliver precise and accurate work.

Always learning.

EDUCATION

PhD Student:	University Des Mascareignes, Mauritius	NOV 2022-NOV 2025
Field:	Artificial Intelligence and Geographical Information System application In flood analysis to enhance community resilience	
MSc	Mzuzu University	SEPT, 2019-SEPT,2021
Field:	Master in Geoinformatics (GIS)	
BSc	University of Malawi	JAN, 2012-NOV,2017
	The Malawi Polytechnic	
Field:	Land Surveying	

MEMBERSHIP OF PROFESSIONAL BODY

Graduate Member of Surveyors Institute of Malawi (SIM)

RESEARCH:

The Southern African Development Community Groundwater Management Institute (SADC-GMI) training 18-20March, 2024 Johannesburg, RSA

As consultants; We successfully trained water professionals from the SADC region in Geographical Information Systems and Remote Sensing Training for Groundwater Professionals.

Target Audience

The primary target audience for that training program included groundwater professionals and practitioners from government institutions in the SADC region. These professionals include hydrogeologists, water resources managers, environmental scientists, and related technical staff who were involved in groundwater-related projects, planning, and decision-making processes.

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TEACHING EXPERIENCE

1). Lecturer/Mzuzu University/ Department of Built Environment

Years: February, 2021-Present

Areas of expertise

-
- Geographical Information System (GIS)
- Remote sensing
- Using AI tools for research
- Environmental engineering: Application
- Engineering Surveying
- Climate Change

Roles and duties include the following among other:

- Teaching Land, Engineering and Mining Surveying, GIS, Remote sensing
- Assessing students through assignments and end of semester exams
- Organising lectures and tutorials
- Supervising student's projects
- Provide effective teaching and tutoring services in specific undergraduate/postgraduate courses. In particular, prepare, deliver and appropriately assess relevant undergraduate / postgraduate courses.
- Support the Department's outreach and pastoral care work.
- Contribute to relevant administration duties.
- Create course material, lesson plans, and curricula
- Conduct research and fieldwork
- Engage with students, assist with processing applications
- Attend conferences, meetings and assess students in their final projects
- Contributing to the research profile of the department
- To develop and implement teaching and learning initiatives;
- To undertake scholarly activity (to inform all of the above)
- To participate in the leadership and delivery of undergraduate modules and programs

2). Adjunct Lecturer/ Livingstonia University/Kaning'ina Campus

Year: March, 2022-March, 2023

- Duties and Roles include the following among others:
- Teaching Geographical information system
- Land use and land planning
- Assessing students' progress
- Organize class field projects
- Engaging students in practical sessions

CIVIL ENGINEERING WORK

Engineering Surveyor/PJK&P/L-Gravam Consultant Engineers

YEAR: 09/2018–01/2021

Road Projects: Rumphi Nyika, Chiweta and Lilongwe City roads.

- Establishing Survey controls
- Taking road topographic Survey data
- Assisting in road design using AutoCAD Civil 3D
- Calculating earthworks using Civil CAD
- Setting out of the road
- Producing Maps using ArcGIS
- Calculating catchment areas for box culverts using global Mapper.

Engineering Surveyor/Mangalasi Construction

YEAR: 02/2018–08/2018

Irrigation Project: Nkhotakota/Chilingari irrigation scheme

- Setting out canals
- Providing levels for bridges construction
- Setting out spill way
- Providing levels for the construction of the spill way

CONFERENCE PRESENTATIONS

Paper Presentation: Nexus of Human Factor and Road Geometrics on Traffic

Accidents on Mzuzu-Jenda M1 Road stretch: Consortium for International Management, Policy, and Development: CIMPAD 12th International Conference held at Malawi University of Science and Technology (MUST), Malawi.

Khendlo. J, Beeharry. R, Goodary. R. *Deforestation Trends in Chikwawa District, Malawi: Geospatial Land Use Land Cover Change Analysis and Prediction using CA-Markova Chain Model.* Paper Presented at Nation Dissemination Conference held in Malawi at Mzuzu University on 5th to 6th June, 2024

LANGUAGES

English:	Proficient	(Listening, speaking, Reading and writing)
Chichewa:	Proficient	(Listening, speaking, Reading and writing)
Tumbuka:	Intermediate	(Listening, speaking, Reading and writing)

COMPUTER SOFTWARE

- ArcGIS Pro
- AI tools for research
- QGIS

- Hec-RAS
- AutoCAD Civil 3D
- IDRISI Selva

OTHER

- Mentoring and Coaching
- Volunteering
- Community Service
- Cycling

REFERENCES

Dr. Brighton Austen Chunga, PhD

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 Water and Sanitation Department
 Faculty of Environmental Sciences
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