

Vusumuzi Tshepang Gaeatlholwe

48 Ballyclare Drive, Bryanston | +27 74 261 9042 | vusigae@gmail.com | Portfolio: <https://tshepang-portfolio.vercel.app/>

EDUCATION

University of Johannesburg	Auckland Park Campus
<ul style="list-style-type: none">PhD Energy Studies (GIS & System Dynamics)	2022 - 2024
<ul style="list-style-type: none">MA in Geography (GIS & Remote Sensing)	2019 – 2021
<ul style="list-style-type: none">BA Hons in Geography (GIS and Remote Sensing)	2018
<ul style="list-style-type: none">BA in Geography and Anthropology	2015 – 2017

WORK EXPERIENCE

Woolpert Africa	Johannesburg
Geospatial Technician III	January 2020 – Present
<ul style="list-style-type: none">Produce high-quality maps and visualizations to communicate complex spatial information effectively.Development of 3D dynamic cartography and modelling.Applied Remote SensingHandling in-depth Quality Control of LiDAR data productsUtilize geospatial libraries and APIs (e.g., Mapbox, Leaflet, Google Maps) to create interactive maps and spatial data visualizationsUse data analysis tools and frameworks (e.g., TensorFlow, PyTorch) to derive insights from complex geospatial datasets.Develop creative solutions for complex geospatial challenges, leveraging technical skills and innovative approaches.	

CERTIFICATIONS

ALX – Africa	Nairobi, Kenya
<ul style="list-style-type: none">Certificate in Software Engineering (Backend)	2023 - 2024

SKILLS

Technical skills
GIS Skills: Spatial Analysis and Modelling, Web GIS Development, Geodatabase Management
GIS Tools: ESRI software, QGIS, GeoNode, LizMap, Global Mapper, Bentley MicroStation, GeoServer
Developer Tools: Git, Docker, VS Code, Visual Studio, PyCharm
Languages: Python, C, JavaScript, SQL (MySQL, PostGIS), Linux
Frameworks: React, Node.js, Flask, FastAPI
Libraries: pandas, NumPy, Matplotlib, Mapbox (GL JS), Leaflet, Google Maps, OpenLayers, Esri Web Suite
Cloud Computing: Oracle, AWS (student)
Transferable Skills
Strong analytical and quantitative skills, Detail-oriented, Adapt quickly to new environments

REFERENCES

University of Johannesburg

- *Prof. K.E Langerman*
011 559 2428/+27 83 704 2543 | klangerman@uj.ac.za

Auckland Park Campus

Lecturer (Energy studies)

Woolpert Africa

- *Mr. E Mokoena*
+27 71 989 3076 | ernest.mokoena@woolpert.com
- *Mrs. M.L Mashau*
+27 72 296 4326 | laura.mashau@woolpert.com

Johannesburg

Tech Lead

Team Lead



UNIVERSITY
OF
JOHANNESBURG

The Council and the Senate of the
UNIVERSITY OF JOHANNESBURG
hereby certify that the degree
BACCALAUREUS ARTIUM

with field of study

with specialisation in Geography and Anthropology

with all its associated rights and privileges
in accordance with the Statute of the
University has been conferred upon

VUSUMUZI TSHEPANG GAEATLHOLWE

at a congregation of the University

WATERS AFDruk (AFSKRIF) IS VAN
DIE OORSEENDE...
IS. EK SERTIFISEER...
WYSIGING OF VERANDERING OF DIE OORSPRONKLIKE DOKUMENT AANGE-
BRING IS NIE.

I CERTIFY THAT THIS DOCUMENT IS THE TRUE AND CORRECT COPY OF THE
ORIGINAL DOCUMENT AND HAS BEEN PRESENTED TO ME FOR AUTHENTICATION. I
FURTHER CERTIFY THAT, FOR ANY OBSERVATIONS, AN AMENDMENT OR A
CHANGE WAS NOT MADE TO THE ORIGINAL DOCUMENT.

[Signature]
HANDTEKENING/SIGNATURE

MAGSNOMMER
FORCE NUMBER 7175096-1 RANG RANK

NAAM IN DRUKSKRIF
NAME IN PRINT

[Signature]



Vice-Chancellor

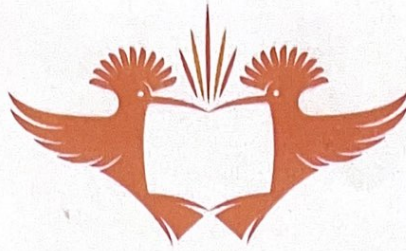
Registrar



12 April 2018
Johannesburg
ID/Passport No: 9606165469086



N 00041974



UNIVERSITY
OF
JOHANNESBURG

The Council and the Senate of the
UNIVERSITY OF JOHANNESBURG
hereby certify that the degree
Bachelor of Arts Honours

with field of study

Geography

with all its associated rights and privileges
in accordance with the Statute of the
University has been conferred upon

VUSUMUZI TSHERANG GAEATLHOLWE
at a congregation of the University

I CERTIFY THAT THIS DOCUMENT IS A TRUE REPRODUCTION (COPY) OF THE
ORIGINAL DOCUMENT WHICH WAS SENT TO ME FOR AUTHENTICATION. I
FURTHER CERTIFY THAT NO OBSERVATIONS, AN AMENDMENT OR A
CHANGE WAS NOT MADE TO THE ORIGINAL DOCUMENT.

MAGSNOMMER 71750916-1 RANG Jaf
FORCE NUMBER T. Thralga
ORIGINAL DRUKSKRIF
PRINT

SOUTH AFRICAN POLICE SERVICE
INFORMATION MANAGEMENT
CENTRE
27 JUN 2024
IMC
RANDBURG
SUID-AFRIKAANSE POLISIEDIENS

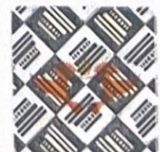
Vice-Chancellor



Registrar



02 April 2019
Johannesburg
ID/Passport No: 9606165469086



N00055392



UNIVERSITY
OF
JOHANNESBURG

The Council and the Senate of the
UNIVERSITY OF JOHANNESBURG
hereby certify that the degree

Master of Arts

with field of study

Geography

with all its associated rights and privileges
in accordance with the Statute of the
University has been conferred upon

VUSUMUZI TSHEPANG GAEATLHOLWE

at a congregation of the University

EK CERTIFISEER DAT HIERDIE DOKUMENT DIE OORSPRONKLIKE DOKUMENT IS. EK CERTIFISEER VERVOER EN VERANDERING OF VERANDELING OF THE DOCUMENT. BRING IS NIE.

I CERTIFY THAT THIS DOCUMENT IS A TRUE REPRODUCTION (COPY) OF THE ORIGINAL DOCUMENT WHICH WAS PRESENTED TO ME FOR AUTHENTICATION. I FURTHER CERTIFY THAT, FROM MY OBSERVATION, AN AMENDMENT OR A CHANGE WAS NOT MADE TO THE ORIGINAL DOCUMENT.

[Signature]
HANDTEKENING/SIGNATURE

MAGSNUMMER 7175096-1 RANG RANG Sg
FORCE NUMBER
NAAM IN SKEKRIE NAME

Vice-Chancellor and Principal



22 October 2021
Johannesburg
ID/Passport No: 9606165469086



[Signature]
Registrar



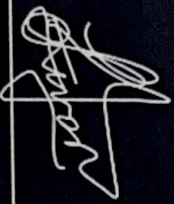
N00096289

CERTIFICATE OF COMPLETION

This is awarded to

Tshepang Gaeatlholwe

For completing a 12 Month ALX Software Engineering
Programme with a specialization in Back-end.



FRED SWANIKER
Founder & CEO, ALX Group



JULIEN BARBIER
Chief Product Officer, ALX

Date of issue: 21st June 2024

Program completion date: 7th June 2024

Scan the qr code or visit <https://intranet.alxsw.e.com/certificates/xjxsh05Ryt> to validate the certificate

POWERED BY **Holberton Inc**

