

CV of Michael Hlongwane

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Aug 31, 1996 – South African

Objective

A driven professional with passion for advancing technology through research and its real-world application. I bring a proven track record in organization and administration, thriving in autonomous environments where proactive problem-solving and self-direction are key. Skilled at managing competing priorities under pressure, I consistently deliver results within demanding timelines. My background spans research, academia, and instruction-including roles as a lecturer, tutor, and academic assistant-equipping me with a blend of teaching expertise and operational efficiency critical for roles requiring both mentorship and careful coordination. Additionally, I excel in collaborative settings, where teamwork is required to achieve shared objectives.

Skills

Teaching: Skilled in engaging students through dynamic instructional methods that enhance understanding and retention.

Research: Expertise in gathering, analyzing, and interpreting data

Writing: Proficient in preparing comprehensive reports and documentation

Analysis: Adept in using analytical tools and software

Communication: Effective in both verbal and written communication

Problem Solving: Skilled in identifying problems and devising efficient solutions

Collaboration: Experienced in working within multidisciplinary teams

Languages

English: Advanced

Swati: Native

Zulu: Advanced

Xitsonga: Advanced

Sesotho: Intermediate

Experience

University of Kwazulu-Natal

BNMR010H1 Lecturer

Jan 2024–Jun 2024

Designing and delivering course content focused on foundational mathematics skills.

Department of Education (Mpumalanga)

Nelspruit

Academic Assistant

Jan 2021–June 2021

Worked as an Academic Assistant for a year, providing administrative support to faculty members and students.

Livingston Research

Freelance Writer

Jan 2022–Present

Managed multiple writing projects simultaneously with strict adherence to deadlines.

University of Kwazulu-Natal

Math130 Tutor

July 2023–Dec 2023

Supported students outside of the traditional classroom setting. My responsibilities included providing one-on-one or small group sessions to help students understand mathematical concepts, solve problems, and prepare for exams.

University of Kwazulu-Natal

Math235 SI leader

July 2022–Dec 2022

Facilitated peer-assisted study sessions aimed at improving student understanding of complex mathematical concepts covered in lectures.

Education

University of KwaZulu-Natal

MSc in Physics by Research

Durban

2021–Present

Research focused on geomagnetic storms. Courses included computational physics and other relevant fields.

University of KwaZulu-Natal

Honours Degree in Physics

Durban

2020–2020

Completed coursework and a research project based on geomagnetic storms, enhancing programming skills.

University of Zululand

BSc in Applied Mathematics and Physics

Empangeni

2017–2019

Learned about data analysis, modeling, and problem-solving.

References

University of Zululand

Head of Physics Department: Prof. T Jili

Contact: 083 524 6464

email: thulani.jili@gmail.com

M.C. Zitha Combined school

School Principal: Mr. JJ Myeni

Contact: +27791688538

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Sol Plaatjie University (department of physical and earth sciences)

Senior lecturer in physics: Dr. Zolile Mtumela

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