NHLONIPHO MELOKUHLE SHEZI

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PROFILE

Enthusiastic and dedicated Computer Science graduate, with a strong passion for computer science and a proven track record as a demonstrator. Seeking to leverage my academic achievements, leadership experience, and technical skills to excel as a tutor at the University of the Free State. Committed to contributing effectively to a dynamic Tech environment through leadership and teamwork abilities honed through active participation in student organisations

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PERSONAL INFO

- 🌐 Bloemfontein
- 📅 2002-11-30
- ✋ Black
- 🔲 Male

QUALIFICATION

BSc (IT) Honours majoring in Computer Science and Informatics
University of the Free State 2025
(InProgress)

BSc (IT) with specialisation in Computer Science and Business Management
University of the Free State 2022 - 2024
(Completed)

National Senior Certificate
Port Shepstone High School 2020

💼 EXPERIENCE

University of the Free State

Feb 2024 - Present

-Tutor and Lectures Assistant: Introduction to Programming for Engineers (CSIE1606)

Assisting students in mastering programming concepts by troubleshooting coding issues, enhancing problem-solving skills, and providing academic support during weekly tutorial sessions. Conducting weekly consultations to offer personalized guidance and address individual challenges. Marking practicals to assess student progress and understanding.

University of the Free State

July 2024 - Present

-Head Demonstrator and Assistant: Web Development (CSIS1644)

Assisting pupils with troubleshooting technical problems and applying problem-solving skills. Facilitating weekly practical sessions. Providing technical and administrative support during lectures (+-150 students) and ensuring that all aspects are well prepared upon the lecturer's arrival, including the monitoring of student attendance

SKILLS

Technical Skills

- C# Programming
- JavaScript
- .NET
- SQL database management
- HTML/CSS and Bootstrap
- Cluster configuration and management
- Linux shell scripting
- Source based package management

Soft skills

- Critical and analytical thinking skills
- Time Management
- Leadership skills
- Critical and analytical thinking skills

LANGUAGES

- English
- IsiZulu
- IsiXhosa

July 2023

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November

University of the Free State

-Head Demonstrator and Assistant: Web Development (CSIS1644)

Assisting pupils with troubleshooting technical problems and applying problem-solving skills. Facilitating weekly practical sessions Providing technical and administrative support during lectures (+-150 students) and ensuring that all aspects are well prepared upon the lecturer's arrival, including the monitoring of student attendance.

May 2023

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December

Centre for High Performance Computing (CHPC) – CSIR

-Cluster Competition Team Member and Team Lead

Managed software and hardware for small High-Performance Computing (HPC) clusters, effectively coordinating resources and leading team members in high-pressure environments. Ranked in the Top 10 Teams in the CHPC Cluster Competition, qualified for the National Cluster Competition, and became part of **the South African international team**, with training conducted in the USA.

Feb 2023

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June

University of the Free State

-Demonstrator: C# Programming and Problem-Solving (CSIS1614)

Assisting pupils with troubleshooting technical problems and applying problem-solving skills. Facilitating weekly practical sessions

ACHIEVEMENTS

2024
- South African supercomputing (ISC) team member

2023
- IT Students Association Executive Committee Member
  - Liaison/Communications Portfolio

2022
- University of the Free State Choir Member

2020
- Rugby Captain - Port Shepstone High School
- Deputy Head Boy - Port Shepstone High School

2019
- Kwa-Zulu Natal Youth Choir Member

👥 REFERENCES

Prof. Liezel Nel

Associate Professor - Computer Science and Informatics (UFS

Phone: 051 401 2754

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Mr. Jay Vieira

Lecture (Units) - Computer Science and Informatics (UFS)

Phone: 051 401 2754

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Mr Albert Van Eck

Director: Research & HPC (UFS)

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Ms Reba Phuthi

Junior Lecturer - Computer Science and Informatics (UFS)

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