



SIMTHEMBILE TSHAKA

Chemical Engineer

Profile

Completed Bachelor of Science in Chemical Engineering at the University of Cape Town in 2020. A person who is ambitious, resilient, persistent, and open to learning new skills. Current goal as a postgraduate student is to complete my studies before July 2023 and get an opportunity in any professional field where I can apply and develop the skills and knowledge I have acquired in my masters. Awarded a certificate of commitment at Data 4 WASI.

Contact

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Hobbies:

Social Media
Watch series
Surfing the Internet

EDUCATION

Stellenbosch University

February 2022 – Present

Currently, I am pursuing a master's degree in engineering (MEng) at Stellenbosch University. My research focuses on recovering phenolic compounds from table olive wastewater using membranes, and I am supervised by Prof. Prathieka Naidoo and Prof. Pillay Lingam.

University of Cape Town

March 2017 – December 2020

Completed Bachelor of Science in Chemical Engineering at University of Cape Town with a GPA of 62.6%.

Masibambisane High School

January 2012 - November 2016

Completed secondary education achieving five distinctions in physical sciences, mathematics, geography, life sciences and life orientation.

WORK EXPERIENCE

Engineering Chemistry 123 – Tutor

February 2022 – Present

The course I tutor is a first-year course, Engineering Chemistry 123. My responsibilities include preparing for the tutorial with the tutorial and proposed solutions made available to me at least 4 working days in advance, attending and invigilating the weekly tutorials and tutorial tests (14:00 to 16:00 on Fridays), aiding the students with regards to the concepts and tutorial questions, and marking the tutorial tests.

Adopt A School - Tutor

June 2019 – March 2020

Became a member of an organization called Adopt A School where every Saturday voluntary tutoring was provided to help grade eight and nine students with mathematics at Thandokhulu High School.

Data 4 WASI - Intern

June 2019 – July 2019

Required to capture, analyse and synthesise critical infrastructure data that enables water services authorities to improve their asset management practice and comply with national legislation. Also, I was involved in the beta testing of the MIPMIS.

SKILLS

Interpersonal communication	90%
Problem solving skills	80%
Ability to work in a team	90%
Willingness to learn	80%
Computer literate (MS Office)	90%

LANGUAGES

English	90%
IsiXhosa	100%
IsiZulu	80%

REFERENCES

Prof. Prathieka Naidoo
Supervisor: Stellenbosch University
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