

Tinomutendayi Muzondidya

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EDUCATION

- **Stellenbosch University** South Africa
Master of Engineering in Industrial Engineering (Data Science Focus) Feb 2024 - Present
 - Research Thesis: Applied transformer models to analyze unstructured user feedback and improve recommender systems.
 - Deep Learning Project: Engineered a convolutional neural network in PyTorch for artwork classification by optimizing architectures and loss functions.
- **Coursera** Online
Google Data Analytics Certificate May 2023 - July 2023
 - Proficient in data cleaning, transformation, and visualization using spreadsheets, SQL, R, and Tableau.
 - Expertise in analyzing large datasets to identify trends and support data-driven decision-making for solving business problems.
- **Stellenbosch University** South Africa
Bachelor of Engineering in Chemical Engineering Feb 2019 - Mar 2023
 - Final Year Project: Steam distillation kinetics for D-limonene recovery from citrus waste.
 - Design Project: Preliminary design of a dual-pressure process for nitric acid production.
- **St. George's College** Zimbabwe
Cambridge A/AS Level Certificate Jan 2017 - Dec 2018
 - Mathematics (A), Physics (B), Chemistry (A).

EXPERIENCE

- **Data Science and Policy Innovation Analyst** Apr 2024 - Present
Policy Innovation Lab, Stellenbosch University South Africa
 - Identified and analyzed public datasets for policymaking.
 - Applied data science techniques to extract insights for policy development.
 - Facilitated dialogue between data science and policy experts.
- **Chemistry Tutor (A/AS Level)** Oct 2023 - Dec 2023
Private Tutoring South Africa
 - Mentored students, improving their chemistry comprehension and grades.
 - Designed interactive lessons and assessments.
- **Internship Student** Dec 2021 - Jan 2022
Logichem Process South Africa
 - Designed heat exchangers and maintained plant documentation.
 - Applied engineering principles to enhance process plant design.
- **Engineering Student Council Member** Aug 2020 - Sept 2021
Stellenbosch University South Africa
 - Led International Students and Community Interaction portfolios.
 - Organized student volunteer programs and community projects.

LEADERSHIP & COMMUNITY SERVICE

- Book Lovers Book Club Coordinator (2024–Present)
- Treasurer, Maties Engineers Without Borders (2022).
- Head of Community Outreach, Stellenbosch Catholic Students Society (2019).
- Chess Captain & House Prefect, St. George's College (2018).
- Volunteer Teacher, Jairos Jiri Rehabilitation Centre (2017).

TECHNICAL SKILLS

- **Programming:** Python, R, SQL
- **Software:** STATISTICA, AutoCAD, Aspen Simulations
- **Data Tools:** Tableau, R-Studio, Excel
- **Engineering:** Process design, lab management, experimental design

AWARDS & RECOGNITION

- Dean's Merit List, Stellenbosch University (2019) - Top 10% in Engineering Physics, Chemistry, and Mathematics.
- Academic Full Colours, St. George's College (2017) - Awarded for achieving 9 A's in Cambridge O Levels.

REFERENCES

Available upon request.