Olwethu Sigwela

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WORK EXPERIENCE

Selenium Database   2025 – Present
Software Developer
Johannesburg
- Selenium Database is an emerging start-up focused on real estate data analysis in the Southern African property market.
- I am responsible for the development and maintenance of the Selenium Database web application, as well as data engineering for the company.
  - **Stack:** JavaScript (React); Python (Flask); Linux (Ubuntu); Google Cloud Platform; Firebase; Sentry

XLink Communications   2023 – 2024
IT Specialist
Johannesburg
- XLink Communications is an award-winning payments technology company that has presence across Africa and has supported over 300 000 financial transaction devices.
- As the IT specialist, I was responsible for maintaining the company's internal network and hardware assets.
  - **Stack:** Linux (Ubuntu); Python

South African National Space Agency   2022
Data Science Intern
Hermanus
- The South African National Space Agency is a leading South African space research institution, specialising in space weather, it provides data and space weather forecasts that guide industrial and policy decisions across the world.
- During my internship, I analysed solar flare data from the GOES-16 satellite, among other datasets, and presented the findings to scientists at the International Space Weather Camp at the SANSA Space Weather Centre.
  - **Stack:** Python (Scikit-learn, Seaborn)

Rhodes University   2020 – 2022
Computer Science Tutor| 2020 – 2022
Makhanda
- Helped to explain difficult Computer Science concepts to first-year and second-year students.

Physics Tutor| 2020 – 2022
Makhanda
- Helped first-year students understand and complete practical assignments.

EDUCATION

Rhodes University   April, 2022
Bachelor of Science, Computer Science and Physics   *Makhanda, Eastern Cape*
- **GPA: 4.0**; *Cum Laude*; Alexander Ogg Prize in Physics; Dean's List

SKILLS & INTERESTS

- **Technologies:** React; Flask; Django; Tensorflow; PyTorch; .NET; Firebase; SQL
- **Skills:** Full-stack development; Data Science; Machine Learning
- **Interests:** Creative writing; Reading; Cycling; Movies