

# Olwethu Sigwela

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## WORK EXPERIENCE

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### 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:** Python (Django, Flask); JavaScript (React); 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:** Python; Linux (Ubuntu)

### South African National Space Agency

2022

*Data Science Intern*

*Hermannus*

- 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*

*Makbanda*

- Helped to explain difficult Computer Science concepts to first-year and second-year students.

*Physics Tutor | 2020 – 2022*

*Makbanda*

- Helped first-year students understand and complete practical assignments.

## EDUCATION

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### Rhodes University

April, 2022

*Bachelor of Science, Computer Science and Physics*

*Makbanda, Eastern Cape*

- **GPA: 4.0; Cum Laude;** Alexander Ogg Prize in Physics; Dean's List

## SKILLS & INTERESTS

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- **Technologies:** Django; React; Flask; Tensorflow; PyTorch; .NET; Firebase; SQL
- **Skills:** Full-stack development; Data Science; Machine Learning

- **Interests:** Creative writing; Reading; Cycling; Movies