



Actuarial Honours Student



City of Johannesburg,
Gauteng



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PROFILE

A driven actuarial honours student with a strong interest in insurance, reinsurance, banking, and investments. Passionate about applying quantitative and analytical skills to solve complex problems, with a long-term vision of becoming a qualified actuary.

ACHIEVEMENTS

- 1st at MiWay Actuarial Hackathon, 2026
- WITS Entrance Scholarship Recipient, 2023
- Top 6 Finalist – South African Institute of Physics (SAIP) National Competition, 2022
- eThekweni Regional Top Matriculant, 2022
- Durban West Regional Top Matriculant, 2022

SIMAMA NGIDI

EDUCATION

University of the Witwatersrand, Johannesburg

- BSc Hons (Actuarial Science)
2026 – Present
- BSc (Actuarial Science)
2023 – 2025

Sithokozile Secondary School, Durban

- National Senior Certificate
2018 - 2022

ASSA EXEMPTIONS

- A111 – Actuarial Statistics
- A112 – Business Economics
- A113 – Business Finance
- A211 – Financial Mathematics
- A212 – Risk Modelling & Survival Analysis
- A213 – Contingencies
- A214 – Actuarial Economic Modelling
- N111 – Foundation Actuarial Professional Practice

EXPERIENCE

Feb 2026 – Present

Tutor • University of Witwatersrand, Johannesburg

Nov 2025 – Dec 2025

Vacation Work Student • BEIER Group, Durban

TECHNICAL SKILLS

- Programming: R, Python
- Microsoft Office (Excel, PowerPoint and Word)
- Statistical Modelling & Interpretation

SOFT SKILLS

- Communication
- Teamwork
- Adaptability
- Attention to detail
- Time management

ANTICIPATED HONOURS EXEMPTIONS

- A311 – Actuarial Risk Management
- F103 – General Insurance Principles
- F105 – Finance and Investment Principles

HONOURS RESEARCH PROJECT – DETAILS

Title: Pricing Real Estate Using Machine Learning & Time Series Models

Description: This study investigates whether property price predictions improve when a hybrid model – one that combines machine learning with time series forecasting – is used instead of machine learning alone. The findings show hybrid models are consistently more accurate, cutting prediction errors by around a third on average, and by as much as 40% for the strongest model.

Supervisor: Eden Gross, PhD, FASSA

LANGUAGES

- Zulu – Native
- English – Fluency
- Spanish - Basic

REFERENCES

Available upon request