

DATA SCIENTIST | RESEARCH SUMMARY

- Data Scientist with 1+ years of experience handling over 80 000 data points to conduct statistical analysis and build models that create impactful insights using R and Python.
- Attained 73% for Statistical Modelling & Machine Learning course.
- Pioneered with a team of 5 to create an enabling product for UCT GSB Solution Space using design thinking principles, to improve a township ecosystem for high-impact early-stage startups.
- Implemented a personal learning plan to acquire skills in cloud storage technologies to enhance data management capabilities.

WORK EXPERIENCE

UNIVERSITY OF CAPE TOWN

TUTOR

July 2022 - Present

- Managed a caseload of 35 students, ensuring that each student received the necessary assistance to succeed in macroeconomics, as evidenced by a 100% success rate in student passing grade.

DEPARTMENT OF STUDENT AFFAIRS, UCT

SUB WARDEN

January 2021 - December 2022

- Collaborated with residence management team to develop and implement a comprehensive crisis management plan, resulting in a 67% reduction in response time during UCT fires in 2021.
- Chaired Transformation & Culture Committee to organize and host monthly cultural events that attracted an average of 200 attendees per event, fostering a more inclusive and diverse community.
- Attained **Exemplary Leadership Award** (2021).

RED CAP ENERGY

INTERN

January 2022 - February 2022

- Analyzed and visualized spatial data to optimize suitable locations around South Africa to place 38 wind turbines to generate over 2.5 MW of power.

DEPARTMENT OF STUDENT AFFAIRS, UCT

RECEPTIONIST

January 2020 - December 2020

- Created Excel spreadsheets to track and manage student information which resulted in a more efficient data entry process that saved the residence operations by 4 hours per week.

EDUCATION

UNIVERSITY OF CAPE TOWN

BSC (HONS) STATISTICAL SCIENCES

January 2023 - December 2023

- Theses paper: Handling spatial sampling bias in presence-only data via log-Gaussian point process models.
- Collaborated with a partner to develop and train a neural network model from scratch using R, resulting in an 80% increase in efficiency for the species classification process at the wildlife rehabilitation centre.
- Built a predictive model incorporating socioeconomic and locational variables to forecast the number of service requests for pensioner's rebate in each ward of the City of Cape Town, providing valuable insights for budget planning and policymaking.

UNIVERSITY OF CAPE TOWN

- Attained 70% in Critical Thinking course provided by the Philosophy Department.
- Attained 73% for Statistical Modelling & Machine Learning course.
- **Dean’s Merit List Award.**
- Received **60 Gold Hours award** recognition for active learning leadership by UCT Plus.
- Volunteered in student societies such as Isondlo (UCT), Green Campus Initiative, Thethani Debating Club and Promaths Alumni Association.

BSOCSCI IN APPLIED STATISTICS,
ECONOMICS & ENVIRONMENTAL
SCIENCES
January 2019 - December 2022

HASSO PLATTNER D.SCHOOL AFRIKA*

- Attained a **Vibe Award** for Pragmatism & Most Artistic.

FOUNDATIONS IN DESIGN
THINKING CERTIFICATION
August 2022 - October 2022

FREECODECAMP.ORG

- Built a Mean-Variance-Standard Deviation Calculator to optimize efficiency.
- Analyzed and visualized medical and demographic datasets with over 30 000 data points.

DATA ANALYSIS WITH PYTHON
CERTIFICATION
January 2023 - February 2023

SKILLS

R
Python
Excel
Self Starter
Communication
Critical Thinking
Research
SQL
Machine Learning

INTERESTS

An **overland safari tour** around Africa is top of my bucket list (Lake Ngozi, Tanzania).
Reading (Shoe Dog, Happy Cities, AI Economy, **Manage Your Money Like A F*cking Grownup**)
Hiking and then a glass of Devil’s Peak beer with friends.
Learning all 2000 **African languages**. At 6 at the moment.
Reading about disruption of fintech companies in Africa on Medium.