

Data Science & FinTech Summary

- Data Analyst with 2 years' experience in handling over 80 000 data points to conduct statistical analysis and build models that create impactful insights using R and Python.
- 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.
- 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.
- Attained 73% for Statistical Modelling & Machine Learning course.

Competencies & Skills

R	SQL	Critical Thinking
Python	Research	Self-Starter
Excel	Statistical Modelling	Machine Learning

Education

MPhil in Financial Technology **January 2024 - Present**
University of Cape Town

BSc Hons in Statistics and Data Science **January 2023 - December 2023**
University of Cape Town
Theses paper: Handling spatial sampling bias in presence-only data via log-Gaussian point process models.

BSocSci in Economics & Applied Statistics **January 2019 - December 2022**
University of Cape Town
Recognized for academic excellence through Dean's Merit List (2019).

Work History

Energy Intern **January 2022 – February 2022**
Red Cap Energy

- Analyzed and visualized spatial data for wind energy project to optimize suitable locations around South Africa to place 38 wind turbines to generate over 1.5 MW of power.
- Actively contributed to the development of wind and solar renewable energy projects with a focus on the intricate process of preparing bids for licensing and power purchase agreements (PPAs) with ESKOM.

Tutor **July 2022 – Present**
School of Economics, UCT

- 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.

Sub Warden **January 2021 - December 2022**
Leo Marquard Hall, UCT

- Collaborated with residence management team to develop and implement a comprehensive crisis management plan, resulting in a

50% reduction in response time during emergency situations.

- 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).

Front Desk Assistant

January 2020 - December 2020

Leo Marquard Hall, UCT

- 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.

Certifications

Data Analysis with Python
freecodecamp.org

January 2023

Foundations in Design Thinking
Hasso Plattner d_school Afrika

October 2022

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 now.

Reading about disruption of fintech companies in Africa on **Medium**.