

Zea Leon

Bioinformatician | Medical Biologist



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Cape Town, South Africa



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ABOUT ME

A Scientist, who has acquired extensive knowledge in the field, with a practical approach to problem-solving and a drive to see tasks through to completion while striving for excellence. I am highly adaptable and present efficient, creative and attainable solutions in high pressure environments and deadlines. I would appreciate the opportunity to contribute to the ongoing growth and continued success of your institution.

SKILLS

- Biostatistics (*Stata, Excel*)
- Quality Control
- Data Collection (*One Data Kit software*)
- Data Analysis
- Scientific Writing, Research and Review
- Laboratory Techniques (*Tissue culture, Extraction, Blotting, Electrophoresis, PCR, Sequencing, Visualization*)
- High-Throughput Biology Techniques
- Microsoft (*Word, Excel, PowerPoint, Outlook*)
- Programming (*Python, R*)
- Microscopy

EDUCATION

BSc (Med) (Hons) Bioinformatics

2022-2022 UNIVERSITY OF CAPE TOWN (UCT)

This degree focuses on computational integration of biological concepts. Programming development is an essential part of the course, with focus on application within the field of genetics. My research project aims to develop simulation tests to determine how recombination impacts the accuracy of multiple sequence alignment.

BSc Human Life Sciences (Biology)

2017-2021 STELLENBOSCH UNIVERSITY (SU)

The fundamentals of being a scientist were developed during this course, including scientific writing, laboratory skills and relevant academic coursework such as genetics, physiology, biochemistry and biometry.

La Rochelle Girls' High School

2004-2016

A bachelors pass was obtained with an average of 75%

EXPERIENCE

Quantitative Research Assistant

2022-CURRENT

Centre for Social Science Research

In this position I work on quantitative analysis in R and STATA to do perform data management tasks such as quality control checks, data cleaning and analysis to answer specific research questions related to Mzansi Wakho and UPLIFT. These projects form part of a collaboration between UCT and Oxford University and is focused on HIV in adolescents.

Mathematics Educator

2021-2022

New Orleans Secondary School

In this position, I have learnt how to communicate efficiently and be adaptable and flexible while presenting information. I have learnt how to effectively manage my time and thoroughly plan and present in a disciplined manner.

Paramedic Intern

2016

ER24 PAARL

During this internship I learnt how to remain calm and focused in high pressure, stressful situations. Leadership skills were also developed during this training and medical procedures and required treatment options were put to practical use.

CERTIFICATIONS

- GCP Certificate

NIDA Clinical Trials Network- Online

2022

- Research Ethics Certificate

Clinical Trials Centre- The University of Hong Kong (Online)

2020

- Advanced Mathematics Certificate

Admaths- Western Cape, SA

2013-2016

- ATKV Olympiad Certificate

ATKV- Western Cape, SA

2015

- Altair Engineering Participation Certificate

Altair Engineering- Western Cape, SA

25 June 2015

REFERENCES

- Darren Martin [Ass. Professor, UCT] - 0832700021
- Natalie Leon [Researcher, MRC] - +1 (804) 245- 1482
- Ivor Collins [Principal PJ] - 0833463889