

DIONÍSIO CÂNDIDO NHADELO

PERSONAL DETAILS

Birth: June 21st, 1994
Address: Zitundo Street, Liberdade, Matola, Mozambique
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AMBITIONS/GOALS

Advance my studies for a master and eventually a PhD degree in the fields such as Data Science and Machine Learning, fields that are still coming up in Mozambique. I'm really amazed by the beauty of this science that consists in extracting information from data and use it to solve real world problems from different fields.

SKILLS

Languages: Portuguese (Native)
English & Changana
Programming Python, R & JavaScript
Languages:
Softwares: Linux, LaTeX, Windows
GrADS, GIS, SPSS
Microsoft (Excel, word, point)

EDUCATION

Undergraduate Honors Degree in Atmospheric Science **2014 - 2020**
Eduardo Mondlane University

Project:

Evaluation of CHIRPS precipitation estimates for Mozambique from 1981 to 2017. It consisted in evaluating rainfall data from a satellite to acquire if they can be used for drought and flood monitoring in Mozambique.

High School **2008 - 2012**
Matola Secondary School

WORK EXPERIENCE

Tutor, HPC & Python, DARA

2021

I'm now working as tutor for High Performance Computing and an Introduction to Python for DARA students at Eduardo Mondlane University.

Organizer & Tutor, DARA BIG DATA,

2021

Organizer and Tutor of the first event of DARA BIG DATA hackathon in Mozambique, it was held at Eduardo Mondlane University (<https://bit.ly/3eT7zWS>).

Inter

2018

I worked as Monitoring Officer at National Institute of Disaster Management (INGD).

Private Tutor

2014 - 2019

I used to work as a private tutor in math and physics for people in high school.

TRAINING

Data Science Unit: I

2020

WorldQuant University

Scientific Computing & Python (<https://bit.ly/3ufG271>)

Data Science Unit: II

2020

WorldQuant University

Machine Learning & Statistical Analysis (<https://bit.ly/3rQ3GoS>)

Python for Data Science

2020

Cognitive Class, IBM (<https://bit.ly/2PQUEuK>)

Remote Sensing

2020

China Meteorological Administration, World Meteorological Organization

Basic Principles of Satellite Remote -Sensing from CMATC

DARA (Development in Africa With Radio Astronomy)

2018- 2019

It took place in Maputo at Eduardo Mondlane University and in Krugersdorp at Hartebeesthoek Radio Astronomy Observatory (HartRAO), this consisted in theory and hands-on in Astrophysics, Linux, Python Scripting, maintenance of telescope, receiver and Very Long Baseline Interferometry (VLBI) equipment. VLBI observations, survey astronomy, reduction and analysis of VLBI data.

PERSONAL STATEMENT

I'm always open to learn new things by myself and from others, I also like to share acquired experiences. I can easily do individual or a group work, I really like to use science and technology to set up solutions. I find myself a very responsible person.

REFERENCES

1- Prof. Dr. Atanásio João Manhique. Senior Lecturer at UEM, FC, Physic's Department. Contacts: Email: amanhique@gmail.com, Phone: (+258) 842053015.

2- Dr. Nikhita Madhanpall. Office of Astronomy for Development, South African Astronomical Observatory (SAAO). Contact: Email: nikhita@astro4dev.org.

3- Prof. Dr. Donald W. Kurtz. Senior Lecturer at *University of Central Lancashire, Preston, PR1 2HE, UK*. Contact: Email: kurtzdw@gmail.com.