DIONÍSIO CÂNDIDO NHADELO

PERSONAL DETAILS

Birth: June 21st, 1994

Address: 13.272 Street, Liberdade, Matola

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AMBITIONS/GOALS

Advance my studies to 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 Languages: Python, R & JavaScript

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`

Tutor of 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.

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.

Data Science Unit: II `2020`

WorldQuant University

Machine Learning & Statistical Analysis.

Python for Data Science `2020`

Cognitive Class, IBM.

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, maintance of telescope, receiver and Very Long Baseline Interferometry (VLBI) equipment. VLBI observations, survey astronomy, reduction and analysis of VLBI data.

REFERENCES

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

2- Prof. Dr. Cláudio Moisés Paulo. Senior Lecturer at UEM, FC, Physic's Department. Contact: Email: claudiompaulo@gmail.com, Phone: (+258) 850516002.

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