



Jimmy Shapopi


Computational Astro-Physicist

Nationality - Namibian
Drivers Licence - Code B

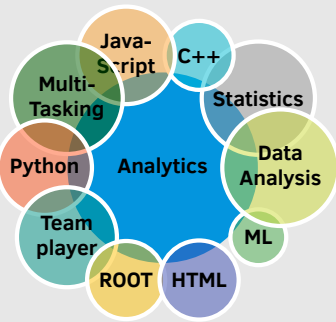
An enthusiastic young physicist who completed his masters degree in the Physics department of the University of Namibia.

 www.linkedin.com/in/jimmy-shapopi-521959160/

 +264 81 669 9336

 jimzashapopi@yahoo.com

Skills



Interests

Statistical Analysis

Astronomy & Astrophysics

Big Data & Artificial Intelligence

Software

Linux: Ubuntu, Arch, RHEL

Microsoft Office, Windows, MS-DOS

Software Development

Programming

JavaScript, HTML, React.js, JSX

C++, ROOT & Fortran

Python, Bash

Languages

English

Afrikaans

Education

2018 - 2019 **Masters in Physics** University of Namibia
Pionerspark, Windhoek, Namibia

2014 - 2017 **Bachelor of Science in Physics (Honours)** University of Namibia
Minor in Chemistry
Pionerspark, Windhoek, Namibia

Personal Development

2019 **Summer Student Fellowship** Nicolaus Copernicus Astronomical Center
Warsaw, Poland

Specialization: Computational Astrophysics

2018 **Certificate., African School of Physics** ASP
Windhoek, Namibia

Specialization: Computing and Physics

2017 **Software Carpentry** UNAM
Windhoek, Namibia

Specialization: Linux & Python

Experience

2016-2018 **Student Assistant** University of Namibia

- As a student assistant helped demonstrate experiments to junior Faculty students and evaluate their report writing skills.
- Tutor students in Physics and Mathematics.

2017 **Undergraduate Research** University of Namibia

- Analyzed gamma-ray data taken with the High Energy Stereoscopic System.
- This required intense statistical analysis of faint signal data.

2017-2019 **Substitute Lecturer** University of Namibia

- Lecturer for Astrophysics and Experimental Physics in case of absent professor

2019 **Postgraduate Research** University of Namibia, CAMK

- Improved the analysis of the largest telescope in the H.E.S.S. array to increase statistical significance.
- Involved handling very large data sets, without pre-written software.
- X-ray binary research.
- Handled high resolution light curve data with Python code using a modified Pearson correlation coefficient in search of statistical correlations between multi-wavelength signals.

Projects

2017-2019 **High Performance Computer Testing and Administration**

- Tested new High Performance Computer (HPC) for benchmarks at the University of Namibia.
- Part of the HPC administration team and manage the H.E.S.S. analysis software used by the Physics department on the HPC.

2020- **Water management in Namibia**

- Testing current leak detection techniques and improving them by employing predictive modeling of pipelines - *in progress*