

Mitchell Phiri



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EXPERIENCE

Research Assistant

**Physics Department, Resolution Circle -
University of Johannesburg**

Johannesburg, Gauteng

April-2018 - Currently

- Developing code for web scrapping and data analysis
- Extracting data for use in profiling
- Statistically presenting profiled data

EDUCATION

Ordinary & Advanced Level

Gloag High School

Bubi District, Matebeleland North,
Zimbabwe

2011

Sciences and Arts class at Ordinary level

*Full sciences major at Advanced level specializing in Mathematics, Physics
and Chemistry*

Bachelor's Degree in Mechanical Engineering

University of Johannesburg

Johannesburg, South Africa

2018

SKILLS

Microsoft Office - Full package, SolidWorks - Full package, AutoCAD Inventor, C/C++, VMD, LAMMPS, Matlab, ReaxFF, Material Studio, Mathematica, Wolfram System Modeler, Root CERN, Geant4, SRIM, Good work ethic, Time Management, Interpersonal Skills, Ansys CFD, Star CCM+, Virtual Systems, Basic Linux, Mac OS, Selenium (Web Driver), Python

LANGUAGES

| | | | |
|----------------|-------------------|-------------------|---------------------|
| English | IsiNdebele | ChiShona | IsiZulu |
| Advanced | Advanced | Intermediate-High | Intermediate - High |

PROJECTS

1. *Computer Simulation of Diamond as a Resilient Material in a High Radiation Environment*
 2. *Design of a Water Filter for Desalination using a Biomimetic Process*
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HONORS & AWARDS

1. *Best O' level student (2009)*
 2. *Best student: L6 Sciences (2010)*
 3. *Best Sciences student A' level (2011)*
 4. *Best Student in 1st year Physical Sciences (2013)*
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REFERENCES

Dr Daniel M Madyira
Department of Mechanical Engineering Science
School of Mechanical and Industrial Engineering
B4 Lab 218 APK
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Relationship: Mentor

Professor Simon H Connell
Professor of Physics
University of Johannesburg
Department of Mechanical Engineering Science
Faculty of Engineering & the Built Environment
Resolution Circle, 8th Floor, South Annex
cnr Empire Road and Barry Hertzog Avenue
Milpark, Johannesburg, 2006, SA
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E-mail : simonhconnell@gmail.com
Web : <http://physics.uj.ac.za>

Relationship: Undergraduate Thesis Supervisor/ Mentor