



✉ mgrpro001@myuct.ac.za

📞 +27 6306 522 15

📍 Cape Town

English Native
Shona Native

Prosper Magara

Biomedical Engineer, Electrical Engineer

Work experience

Medical Device Engineer

2022 - 2023

Med-Elect Technologies

- Plan installation for biomedical equipment
- Installation of biomedical equipment
- Servicing of Biomedical Equipment
- Scheduling biomedical equipment maintenance e.g X-ray Machines
- Calibration of biomedical equipment

Biomedical and IoT Engineer

2020 - 2021

SOLIDARMED

- Development of IOT health devices
- Implementation of Telemedicine technologies e.g Redcap
- Report writing
- Monitoring and Evaluation

Education

PHD. Biomedical Engineering

Jan 2024 - current

University of Cape Town South Africa

Telemedicine - Smart hospitals (Telesurgery: AR and Haptics over 5g)

MSc. Biomedical Engineering

Feb 2021 - Dec 2022

University of Zimbabwe

Biomedical Devices and Biomedical Imaging

Thesis title: *Design and Development of a Smart Health Station for swab collection and Patient Data entry*

BSc. Electrical Engineering

Aug 2015 - Sept 2019


University of Zimbabwe

Electrical Power Engineering

Thesis title: *Design and Development of a Smart Egg Incubator*

Skills

Biomedical Engineering industry

Medical Device Installations 

I can install various Medical devices such as X-ray Machines, Autoclave machines and Dialysis machines

Medical Device Design and Development 

I can design and develop medical and other devices based on the principle of systems thinking

Soft skills

Presentation 

I am able to present my work in a simple and concise way that makes the reader understand whilst putting my point across clearly

Team management 

I am able to collaborate on work with other people and I Have strong interpersonal Skills

Teaching 

I am always eager to share my knowledge and skill and my experience has made me able to put across my work in a way that even laymen can understand my work

Software

Embedded C  Python 

C#  Microsoft Office 

R  \LaTeX 