

Fulufhelo Mulaudzi

0712459300

fulufhelomulaudzi1@gmail.com

8819 Rantalaje Street, Protea Glen 1819

Summary

I am an Electrical Engineering graduate with experience as an Electrician and as Electrical Technician focusing on electrical maintenance, inspections, process optimisations, fault finding and running tests and simulation through software such as Proteus and Arduino. I have facilitated the day-to-day running of various project in teams ensuring efficient delegations of tasks and providing feedback to relevant stakeholder. I have practical knowledge and interest in solar systems as a renewable energy and looking to utilise my skills and expertise.

Work Experience

- Thalukanyo Trading: Electrical Technician (January 2019)

Responsible for overseeing day to day operations, task delegation for projects, electrical connections and inspections, wiring, fault finding, Street light maintenance electrical readings and maintenance, DC maintenance at city power substation.

- Tsekema Engineering Consulting: Quality Assurer (December 2018 – December 2019)

Responsible for actioning complaints / instructions via various channels most notably EMIS and Workflow, generating and issuing installations, escalations and ad-hoc requests from management.

- Renlyn Mining service: Project Coordinator (September 2016 – December 2017)

I have also worked at Akata Group as a junior Engineer under Draughting & Design department where I was also project co-ordinator to other projects conducted at the mine.

- Resolution Circle: Internship (August 2015 – July 2016)

Maintenance: I have been exposed to electrical equipment. I test the instruments and electrical equipment. Electronics: I have learnt some software such as Proteus and Arduino for simulation and designing electronics and electrical circuit. I have completed some project such as: Voltage regulator using full- bridge rectifier, Traffic light, Motor control with IC and Transistor. I have programmed these projects using Proteus and Arduino software.

Energy sources: I have learnt a system of Photovoltaics solar which uses the sun as energy source. It is combined the DC sources, AC sources, converters and inverters. I have learnt the types of PV module system such as: Grid-tied, Grid-tied with backup and Off grid system Software systems: I have able to program the PV solar with PVSOL premium 2016 software. Maintenance: I was exposed to maintenance of the building such as: replacement of lights, wiring of plugs, maintenance of generator, UPS plug tops and connecting loads in the distribution board.

Fault finding: I was able to demonstrate the ability to do fault finding of any failure or short circuit.

Protection: I have been exposed to different types of protection such as circuit breaker, earth leakage and isolators

Tertiary Background

- University of Johannesburg
BTech Electrical Engineering (2020)
- Vaal University of Technology
NDip Electrical Engineering (2016)

Certifications

Izibuko The Bridge - Electrical Trade Test (2020)

University of Johannesburg - Artificial Intelligence (2021)

O.R.H.V.S HV 04 Eskom (2020)

O.R.H.V.S Electrical Access (2019)

P-STEM Volunteer (2016)

Basic Educational Background

- Thengwe High School
Matric NSC (2009)
Mathematics, Physical Sciences, Accounting, English, Home Language, Biology, Life Orientation

Competencies and Skills

Electrical Wiring

Electrical Maintenance and Testing

Fault Finding and Repairing Electrical Equipment

Project Work

Stakeholder Engagement

Planning and Managing workflow

Microsoft Office

References

- Alusani Tshikube
Eskom
Technician
011 871 2000/073 379 2273
- Mr. Peter Ott
Renlyn Mining Service
082 877 9384/ 010 021 5599

- Thando Nyathi
Tsekema Engineering Consulting
073 950 9508
- Rudzani Amon
Thalukanyo Trading
082 083 6042