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ROTONDWA HANNON MULAUDZI



PROFILE

A Mechanical Engineer, who a Baccalaureus Technologiae Degree (B.Tech) in the field, from the University of Johannesburg (2020). A Technologist with exposure within the Software developer field, with demonstrated working history in the FMCG industry, Mining industry, Automotive, maintenance and engineering business systems management, Agile Skills rapid acquisition, full stack web development, 4IR technological boot camps. Skilled in AutoCAD inventor, Prototyping (Figma), Microsoft packages, SCADA software, SAP software, Ansys software, and Matlab software. Familiar with Designing user interphase using JavaScript, Html, CSS, SQL, and git bash/Visual Studio. Eager, passionate, and willing to learn new skills, procedures, and software required of me to meet organizational deadlines. Particularly interested in Machine learning, software development, project management, inspecting electronic equipment/devices, repairing faulty equipment units to the component level, and Internet of things. coding, statistics, probability, Web Design, and compiling detailed reports that leave traces and records of equipment and tools. Motivated individual, dynamic and result driven, driven by the ability to make a change in the workplace, industries, and within society. Always keen to learn and aspire to further my studies in a field relevant to work. Motive & focus: Increasing productivity while saving costs, and keen on optimizing industrial systems.



EDUCATION

BTECH MECHANICAL ENGINEERING | UNIVERSITY OF JOHANNESBURG

2019 – 2019

Modules passed

Turbo Machines 4 | Fluid Mechanics 4 | Thermodynamics 4 | Refrigeration and Air Conditioning 4
| Stress Analysis 4 | Strength of Materials 4 | Mechanics of Machines 4 | and Automatic Control 4

NDIP MECHANICAL ENGINEERING | UNIVERSITY OF JOHANNESBURG

2015 – 2018

NQF Credit = 484

Passed with Distinction: Computer Aided Draughting 1

4IR INTERNSHIP/SLP | UNIVERSITY OF JOHANNESBURG X ACCENTURE

FEB 2022 – 31 OCT 2022

Exposure/Qualifications

4IR Technologies Bootcamp | Agile Rapid Skills Acquisition | Full Stack Web Development for 4IR
| Engineering Business Systems for 4IR

GRADE 12 | MARUDE SECONDARY SCHOOL

2010 – 2014

Subjects Passed

Tshivenda Home Language, Mathematics, Physical Sciences and Life Sciences



EXPERIENCE

TECHNICAL ASSISTANT | UNIVERSITY OF JOHANNESBURG

03 JAN 2023 – 30 JUN 2023

Installing and performing diagnostic tests on mechanical systems. Developing and implementing mechanical maintenance plans to prevent costly equipment breakdowns. Troubleshooting mechanical malfunctions and breakdowns, as well as performing repairs. Documenting processes and maintaining mechanical service records. Monitoring the availability of parts and replenishing supplies. Optimizing mechanical efficiency by adjusting machinery and equipment settings. Training co-workers/students on the safe and efficient use of mechanical machinery and equipment. Maintaining a tidy work environment and adhering to industry regulations.

TEMP-LECTURE/MENTOR | UNIVERSITY OF JOHANNESBURG

01 AUG 2022 – 30 NOV 2022

Lecturing Technical/Engineering Drawing

INTERNSHIP (WRP) | UNIVERSITY OF JOHANNESBURG x ACCENTURE

23 FEB 2022 – 31 OCT 2022

4IR Technologies Bootcamp | Agile Rapid Skills Acquisition | Full Stack Web Development for 4IR
| Engineering Business Systems for 4IR

OPERATIONAL COORDINATOR | JAG PAGE

05 JULY 2021 – 14 DEC 2021

Communicate with various departments to keep everyone on board about any changes regarding the project plan. organize & report, plan meetings and provide updates to project managers.

STUDENT | MA AUTOMOTIVE TOOL & DIE (PTY) LTD

4 MAY 2021 – 28 JUNE 2021

Lead and assist maintenance in resolving equipment malfunctions, troubleshoot process problems, and organize and implement preventative maintenance procedures.

GRADUATE MECHANICAL ENGINEER | PHAWE MINING (PTY) LTD

01 SEP 2020 – 10 FEB 2021

Commission specifications for, design, develop, manufacture, and install new or modified rolling stock components or systems. Plan and coordinate the process and resources required in the event of improvements, being implemented. Communicate all audits results to the relevant manager to evaluate the process and ensure that it is done accordingly to set standards. Develop manufacturing processes by studying product requirements, research designing, modifying, and testing manufacturing methods and equipment.

ENGINEERING ASSISTANT | SIME DARBY OILS

04 FEB 2020 – 27 MAR 2020

Manage and monitor a company's assets - Asset tagging project.

WORK READINESS PROGRAMME | RESOLUTION CIRCLE (PTY) LTD

19 OCT 2019 – 12 DEC 2019

This Programme offers a set of skills and behaviors that are necessary for the candidate to achieve success in their chosen field. Skills Acquire: Sales | People skills and emotional intelligence |

Customer service and management | Problem solving in the workplace | Research and presentation skills | Analytical and Brain-storming techniques.

MECHANICAL ENGINEERING PRACTICE 1 AND 2 | SIME DARBY OILS

19 FEB 2018 – 01 MAR 2019

The description of this internship/training is composed of the first component (MEP1), which focuses on developing hand skills by participating in physical work in an artisan work environment, and while MEP2 requires a much higher level of synthesis, responsibility and accountability as would be expected of an engineering Technician. This again, is done under super vision of a mentor, but facilitating individually.



SKILLS/COMPETENCIES

- MS Office packages
- Inventor AutoCAD
- Research
- Problem Solving
- Analytical thinking
- Leadership
- Attention to detail
- Accuracy and reliable
- Teamwork
- Good communication skills
- Results driven
- High level of integrity
- SQL
- Html
- Html 5
- Cascading Style
- Coding
- Java Script
- SAP software
- Machine Learning
- SCADA software
- Engineering Business Management Systems
- Solid works
- Quality Control
- Project Management
- Strategic Planning
- Decision making skills
- Time management skills.



ACTIVITIES

- SAIMechE Student Chapter- Project Manager (2019)
- SAIMechE Student Chapter- Chairperson (2022)
- UJ Car Conversion- Project Manager (2022)
- UJ Car Conversion- Snr Project Manager (2023)



REFERENCES

1.

ORGANISATION: South African Institution Of Mechanical Engineers (SAIMechE)
NAME: Uncel Antorney Mhelembe
DESIGNATION: Chief Executive Officer (CEO)
CONTACT DETAILS: (+27) 82 598 9285 | uncel@saimeche.org.za

2.

ORGANISATION: University of Johannesburg
NAME: Peter Madindwa Mashinini
DESIGNATION: Head Of Department - Mechanical and Industrial Engineering Tech.
CONTACT DETAILS: (+27) 73 210 8488 | mmashinini@uj.ac.za

3.

ORGANISATION: Jag Page (Pty) LTD
NAME: Mboneni Robert Mulaudzi
DESIGNATION: Managing Director (MD)
CONTACT DETAILS (+27) 61 500 3320 | jagpage06@gmail.com