

BERTHA MAFUNU

Mechatronics Engineer

PROFESSIONAL PROFILE:

Mechatronics Engineer who is a hardworking individual that can work with people from all walks of life. My objective is to find a stable, fulfilling job that suits me and allows me to gain experience in the industry of Mechatronics where I will be able to further my knowledge in the field, as well as add value within an organisation that matches my goals and values.

ACADEMIC BACKGROUND

University of Cape Town

FEBRUARY 2015 - JULY 2021

BSC MECHATRONICS, ROBOTICS AND
AUTOMATION ENGINEERING AND
PROGRAMMING

- Analogue Electronics Tutor
- Assistant Marshall
- Election Assistant

Riverton Academy

JANUARY 2009 - NOVEMBER 2015

CAMBRIDGE IGCSE O LEVEL & A LEVEL,
SCIENCE STUDENT

- Sports Team Captain
- Volleyball Team
- Soccer Team

CONTACT DETAILS

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CAREER BACKGROUND

Operations Engineer

PLENTIFY

SEPTEMBER 2021 - PRESENT

Hardware Technician Intern

PLENTIFY

JANUARY 2021 - SEPTEMBER 2021

- Was responsible for hardware design, implementation and installation.
- Main tasks involved hardware design, hardware assembly i.e soldering THD and SMD, product installation onsite, hardware prototyping.
- Worked in product and sensor production planning and pre-assemblies, post-production testing and certifying.

Analogue Electronics Tutor

UNIVERSITY OF CAPE TOWN

FEBRUARY 2021 - JUNE 2021

- Helped students develop and maintain circuitry through testing and troubleshooting.
- Was responsible for marking electrical engineering students' assessment, assisted students with their Analog circuit design projects during the weekly workshop sessions.

CPUT Intern

CAPE PENINSULA UNIVERSITY

JUNE 2016 - JULY 2016

- Completed several trainings programs that include Fitting and Turning, Metrology, Robotics, CNC and Pneumatics

ROLES OF RESPONSIBILITY

Election Assistant

UNIVERSITY OF CAPE TOWN
SEP 2018 - OCT 2018

Planning, coordinating, and enforcing candidate and committee filing compliance program; proof-readings of official/sample ballot copy, providing information regarding election rules and assisting in conducting elections.

Assistant Marshall

TWO OCEANS MARATHON
MARCH 2018 - APRIL 2018

- Duties and responsibilities including but not limited to coordinating and assisting participants and supporters of the Two Oceans Marathon in and around UCT Campus.

TECHNICAL SKILLS:

- Python, Java, C, Matlab were used in my Mechatronics degree as part of the academic projects.
- Analogue Circuit Design used in academic project and my work at Plentify
- CSS and HTML used in the school learning project with Women in Computer Science in 2020
- Soldering from the projects and work at Plentify
- Microsoft Office is mostly used in an academic project

INTERPERSONAL SKILLS:

- Leadership: Successfully lead my team Cheetah in to a win as team captain
- Teamwork: Worked as a team of graduates at Plentify on work tasks tutoring engineering students split work with other tutors to assist students
- Communication: Managed to effectively explain the analogue electronics concepts to engineering students to assist them in their practicals
- Organisation: Managed to balance work and part time work during my academic studies

HOBBIES & INTERESTS

- Hiking
- Boxing
- Cooking
- Meditation