

Humphrey Chiramba

Bio

I am a young and energetic man eager to further pursue more knowledge and experience in the field of Engineering. Advancing in this area would be an ideal next step in my career path. Currently working as an Embedded Systems Engineer, I am learning about Firmware engineering practices as well as expanding my skill set in working with microcontrollers..

EXPERIENCE

Plentify

Embedded Systems Engineer: 08/2023 - present

Plentify's mission is to create technologies and services that enable smarter energy management and usage. Having completed my internship, I moved to a full-time role with Plentify, joining their Firmware team. Currently I am working learning about real time operating systems, firmware engineering practices and deployed device management.

Intern: 05/2023 - 08/2023

This was a role mainly based around improving some of the current systems which the Firmware team at Plentify were using. This included working with Python tools, AWS and Heroku.

University of Cape Town Electrical Engineering

Teaching Assistant: 08/2021 - 12/2022

Worked alongside the course convenor to administratively assist the running of two courses.

Tutor: 03/2021 - 07/2021

Assisted students in a 3rd year Design Principles course and a 4th year High Performance Engineering Course.

Lumkani

Intern: 2018 - 2019

Lumkani is a social enterprise with a mission to mitigate the loss of life and property caused by slum fires in South Africa and across the globe. I got hands on with their product and performed tests on some of their new features that were soon to be rolled out.

VOLUNTEERING

University of Cape Town IEEE Student Branch

Chairperson: 2020

This was a demanding role which led to meeting multiple different levels of the organization's leaders on a national level as well as leading the society to growth. It was made more difficult by the pandemic however, alongside the leadership team, we completed the year, keeping our members engaged.

Marketing and Public Representation: 2019

My main duties involved making the university community aware of events that were being hosted by the society by designing and printing posters.

REFERENCES

Dr Jane Wyngaard
Director of Firmware at Plentify
jane@plentify.co.za

Paul Mesarcik
Lumkani Director
paul@lumkani.com

Cape Town, South Africa

Email: chirambaht@gmail.com

Website: chirambaht.info

Further Links: [LinkedIn](#) [GitHub](#)

SKILLS

Programming

Python, C/C++, Java

LANGUAGES

English, Shona

EDUCATION

University of Cape Town

B.Sc. Electrical and Computer

Engineering - 2020

M.Sc.Eng Electrical Engineering

Peterhouse Boys' High School

Cambridge IGCSE and A-Levels - 2016

Borrowdale Primary School

PROFESSIONAL MEMBERSHIP

Engineering Council of South Africa (ECSA)

Candidate Engineer: 2022 - Present

Institute of Electrical and Electronics Engineers (IEEE)

Student: 2017 - Present

Simon Winberg

Masters Supervisor

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