

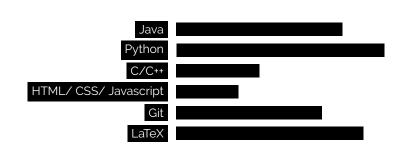
# Electrical Engineer





# WHO AM I?

I am a 4th year student in Electrical and Computer Engineering at the University of Cape Town. I am seeking experience in design, data science, implementation of renewable energy systems as well as software and web development. I am passionate about improving my knowledge whether that be in a theoretical or practical context. I enjoy problem solving and creative expression. I am an organized and dependable worker with a sense of humour who enjoys human interaction and making a difference.



### **EXPERIENCE**

June 2023 Vacation Work

## Software Engineer and Researcher

Coolset

I assisted this Netherlands-based carbon accounting start-up, that offers their clients carbon neutral product and service alternatives, construct their vendor marketplace. This provided incredibly insights into the operation of an environmentally oriented company and into start-up culture, both of which interest me.

Python

December 2022 Vacation Work Data Scientist Expeditus

I was assigned a project to analyse data from an insurance firm to identify policies that have the greatest potential to be upsold thereby pinpointing the highest probability for achieving an increase in monthly premiums.

Python

January 2022 Vacation Work

#### **Embedded System Engineer**

Jembi Health Systems

This medical non-profit offers health care technology to impoverished communities in the Western Cape. The opportunity provided me with an indepth experience of embedded systems. I was able to work on a combination of hardware and software and was introduced to an admirable company ethos.

Arduino

January 2021 Vacation Work

#### **Electrical Engineer**

Tegwaans Solar

My time was spent at a construction site for an environmentally friendly and entirely self-sufficient container home fully equipped with solar panels, a windmill and sun chaser as well as a functional aquaponics greenhouse. I learnt first-hand how each of these sustainable living components functioned from explanations, viewing on site and recommended reading materials.

PV Systems

October 2018 Vacation Work Workshadow Anglo American

I was afforded the opportunity to shadow Dr. Liam Candy, Head of Data Science at Anglo American. He introduced me to the field of Machine Learning and the applications of it throughout the company.

Java / Python

COURSES

January 2023 Relational Database Design

Udemy

January 2023 Git Complete: The Definitive Step-By-Step Guide to Git

Udemy

December 2022 Python for Data Science and Machine Learning Bootcamp

Udemy

### **EDUCATION**

2020 - Undergraduate Degree

**University of Cape Town** 

I am currently working towards completing a Bachelor of Science degree in Electrical and Computer engineering. This degree provides the necessary knowledge and skills to combine the two

disciplines of electrical engineering and computer science.

2015 - 2019 National Seniour Certificate

King David Linksfield

I was awarded academic honours for matriculating with an average of more than 85%.

## **ACHIEVEMENTS**

2022 Dean's Merit List

University of Cape Town

Awarded for attaining a minimum weighted course average of 70%.

2019 Valedictory Award King David Linksfield

I received the award for 'Tolerance & Understanding of One's Fellow Man' at my high school Vale-

dictory.

2019 Academic Honours King David Linksfield

I was awarded academic honours for matriculating high school with an average of more than 85%.

2018 - 2019 Student Representative Council

King David Linksfield

I was elected as a school prefect and a senior member of the Outreach committee by my teachers,

peers and fellow committee members.

#### LANGUAGES

## **EXTRA-CURRICULAR**

# NON PROFIT

**English** - native **Hebrew** - proficient **Zulu** - rudimentary In my spare time I enjoy swimming, singing, drawing and photography. I am a travel enthusiast whether it be overseas or locally. Game reserves are a particular favourite of mine. I enjoy being in service to others.

I volunteered as a member of the Outreach Committee and Interact Club at high school. We visited creches, old aged homes and assisted in local foodgrowing gardens as well as holding weekly collections for a wide variety of charities. Outside of school initiatives, I participated in the Santa Shoe Box Collection and Afrika Tikkun projects.