

NATASHA SOLDIN

Electrical Engineer

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📁 Eportfolio
🌐 GitHub
🚩 South African/ German

WHO AM I?

I am an Electrical and Computer Engineering graduate from 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 Research Assistant

Coolset

This Netherlands-based carbon accounting start-up, that offers corporate clients carbon emission monitoring and reduction by providing carbon neutral product and service alternatives. I was tasked with assisting in constructing their vendor marketplace which provided incredible insights into the operation of an environmentally oriented company and into start-up culture, both of which are of interest to me.

Python

December 2022
Vacation Work

Data Scientist

Expeditus

This business intelligence services company aims to harness data for improving business decisions and increasing revenue. I was assigned a project to analyse insurance company data 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 strengthening of public health through innovative technology to improve health outcomes in Africa. 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 with this Solar installation company, was on 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 this global mining 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
February 2021	HTML, CSS & JavaScript Certification for Beginners	Udemy

EDUCATION

2020 – 2024	Undergraduate Degree I am a recent honours graduate in electrical and computer engineering from the University of Cape Town. This degree provides the necessary knowledge and skills to combine the two disciplines of electrical engineering and computer science.	University of Cape Town
2015 – 2019	National Senior Certificate I was awarded academic honours for matriculating with an average of more than 85%.	King David Linksfield

ACHIEVEMENTS

2022	Dean's Merit List Awarded for attaining a minimum weighted course average of 70%.	University of Cape Town
2019	Valedictory Award I received the award for 'Tolerance & Understanding of One's Fellow Man' at my high school Valedictory.	King David Linksfield
2019	Academic Honours I was awarded academic honours for matriculating high school with an average of more than 85%.	King David Linksfield
2018 – 2019	Student Representative Council I was elected as a school prefect and a senior member of the Outreach committee by my teachers, peers and fellow committee members.	King David Linksfield

LANGUAGES

English - native
Hebrew - proficient
Zulu - rudimentary

EXTRA-CURRICULAR

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.

NON PROFIT

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 food-growing 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.