

# 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, tasked me with assisting in constructing their vendor marketplace. I gained 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

Expeditus is a business intelligence services company that 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

As a medical non-profit, Jembi 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	<b>Python for Data Science and Machine Learning Bootcamp</b>	Udemy
February 2021	<b>HTML, CSS &amp; JavaScript Certification for Beginners</b>	Udemy

## EDUCATION

2020 – 2024	<b>Undergraduate Degree</b> 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.	<b>University of Cape Town</b>
2015 – 2019	<b>National Senior Certificate</b> I achieved 7 distinctions in my final school year for English, isiZulu, Hebrew, Mathematics, Physical Science, Life Orientation and Information Technology and attained a final average of 86%.	<b>King David Linksfield</b>

## ACHIEVEMENTS

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

## 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.