





# Hlanhla Hlungwane

## Contact Information

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## Personal Details

- ❖ Race – African
- ❖ Gender – Female
- ❖ Birth year – 1998

## Formal Education

- ❖ BSc (Hon) Mechanical Engineering
- ❖ University of the Witwatersrand
- ❖ 2024

## Work Experience

### 1. Vacation Work

- ❖ Volkswagen SA, Port Elizabeth South Africa
- ❖ November 2020–February 2021 (4 Months)

I designed a heating element for the airbag testing facility and recorded the time it took for the airbag to be deployed. I conducted thermal simulations to analyse the performance of the heating device

### 2. Vacation Work

- ❖ ThyssenKrupp Industrial Solutions, Johannesburg South Africa
- ❖ June 2019–December 2019 (7 Months)

I was involved in creating engineering drawings, CNC Machining of bolts, shafts and nuts, and Gearbox maintenance.

## Formal Skills

- |                                      |                                       |
|--------------------------------------|---------------------------------------|
| ❖ Finite Element Analysis (FEA)      | ❖ Microsoft Projects                  |
| ❖ Computational Fluid Dynamics (CFD) | ❖ MindGenius                          |
| ❖ CAD (Autodesk and Fusion360)       | ❖ Microsoft Word, Excel, & Powerpoint |
| ❖ Programming (MATLAB, C, C++)       | ❖ Report Writing                      |
| ❖ Experimentation (Laboratory work)  |                                       |

## Soft skills

- ❖ Good Communication skills
- ❖ Time management
- ❖ Critical thinking
- ❖ Attention to detail
- ❖ Team player
- ❖ Good verbal presentation skills

## Awards

### ❖ Top Learner

Top achieving Matriculant with 7/7 distinctions with an average of 88% in grade 12 (2016)

### ❖ Wits Entrance Scholarship

The university provisioned an entrance scholarship paid towards the tuition fees for being the top matriculant (2017)

## References

- Mentor (Nkosana Mkhwanazi) - [Nkosana.mkhwanazi987@gmail.com](mailto:Nkosana.mkhwanazi987@gmail.com)
- Previous colleague (Osca Kholopha) - 082 592 2341

## Certifications

- ❖ Machine Learning Onramp - [Credential](#)
- ❖ Common Data Analysis Techniques - [Credential](#)
- ❖ Clean And Prepare Data For Analysis - [Credential](#)
- ❖ Databases And SQL For Data Science with Phyton - [Credential](#)