

Thembisile Shaun Damon

Junior Data Scientist

My career aim is to utilize my communication skills, ethically pursuing knowledge , create balance among all my obligations and client-engagement with satisfaction and be able to make impactful decisions at critical times and solve problems.



Contact

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WWW

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WWW

[https://github.com
/Thembisile](https://github.com/Thembisile)



Skills

SQL Database(SQL,
BigQuery, PostgreSQL)

Python Programming

Data Visualization

Dashboarding

Professional
Communication



Work History

2018-09 -
Current

Junior Data Scientist Intern(bcx-insights)

Telkom, Cape Town, South Africa

- Gathered knowledge of the project's end-goal, mission & purpose, with the ability to help employees successfully achieve them
- Design Product Profiling dashboard on the fixed line and voice base at Telkom
- Create models that classifies the next best offer in the new roll out of products
- Identifying opportunities of cross-selling & up-selling within the same product base
- Identifying optimal packages and solutions of the products
- Identifying suitable substitute products for legacy products
- Identify best performing products

2019-10 -
2019-11

Junior ML Engineer

Omdena, Global Collaboration, Remotely

- Predicting Where Forest Fire Outbreaks will happen in Brazil
- Using aerial images , we trained a model that will classify whether an image contains fire then predict how likely an outbreak will take place in that area
- Collaborated with over 20 members from 7 Countries, with different roles assigned to combat the challenge

2019-01 -
2019-10

Data Science Intern

Machine Learning & Model Building

Convolutional Neural Networks

Data Analytics

Data Wrangling

Product Profiling

Cloud Computing(AWS & GCP)



Software

Power BI

Apache Spark(Hadoop)

BigML



Languages

Afrikaans

English

IsiXhosa

SeTswana

SeSotho

IsiZulu



Accomplishments

- **Cape2Nairo**
Datathon(Kenya & SA)
Grade : 1st Prize

Explore Data Science Academy, Cape Town , Western Cape

- Cape Town Water Crisis - **Database Management, Dashboarding & Analytics**
- Predict House Prices in Cape Town - **Machine Learning(Regression : Model Accuracy = 93%)**
- Predict Person's MBTI Personality - **Natural Language Processing (Model Accuracy = 94.2%)**
- Johannesburg Traffic Congestion - **Unsupervised Learning(Help City of Jo'burg Understand Patterns and Changes in Traffic, SANRAL Data)**



Education

2019-01 -
2019-09

Certificate: Data Science

Explore Data Science Academy - Cape Town

- Database Management
- Data Analytics
- Python Programming
- Data Visualization and dashboarding
- Professional Communication
- Machine Learning and Model Building

2018-01 -
2018-12

Certificate: Software Development

Project Codex - Cape Town

FRONT END

- HTML & CSS
- Responsive Layouts
- DOM - **Document Object Model**
- Templating HandlebarsJS
- TDD - **Test Driven Development**
- Using LocalStorage
- Deployment Using Github Pages

BACK END

- NodeJS
- TDD Using Modules
- Web Server Basics
- Persistence Using PostgreSQL
- Deployment using Heroku

Predict the estimated time of arrival(ETA) for motorbike deliveries in Nairobi, Kenya.

- **MIIA Pothole Image**

Classification Zindi

Challenge

Grade : 2nd Prize

Identify which images of roads in South Africa contain potholes, using machine learning.

- **UBER MOVEMENT Zindi**

Challenge

Grade : 3rd Prize

Predict when and where road incidents will occur next in Cape Town.

- API
- Ajax Basics

BUSINESS CASE

- Data ETL - Preprocessing
- Data Modelling basics
- Relational Database(MySQL)
- Creating Web Applications
- DevOps - Server setup & deployment
- AJAX & API Endpoints