



Muziwandile Nkomo

Date of birth: 18/07/1998

Nationality: Zimbabwean

Gender: Male

CONTACT

4308 Bhejani rd Gwabalanda,
00000 Bulawayo, Zimbabwe
(Home)

muziwandilenko@gmail.com

(+263) 789844536

<https://muziwandile-portfolio.netlify.app/>

<https://www.linkedin.com/in/muzi-nkomo-2715701b9/>

ABOUT ME

An experienced Dev Ops Engineer adept at guiding design teams, testing existing software, deploying changes to enhance the IT infrastructure, and assessing and establishing security protocols. I'll find ways to automate manual processes and save the company time and money

WORK EXPERIENCE

13/05/2019 – 17/10/2020 – Bulawayo, Zimbabwe

Software developer

WozaTel

- Built modern applications using MySQL, Java, SQL server, and Spring and supported the company's development and testing processes
- Developed effective microservices and web services and created a series of unit tests to ensure that the projects passed all quality benchmarks
- Worked with a team of expert coders to write maintainable code and maintain existing software to improve performance and fix bugs
- Consulted with clients to identify their projects' specifications and follow up with deployed applications' status and any technical issues
- Developed expertise in CRM and gained trust in clients

15/12/2020 – 28/07/2021 – Pretoria, South Africa

Devops engineer

BushCyber

- Identified manual processes that could be automated to enhance speed or save money; considered the entire company IT infrastructure when designing improvements
- Monitored and regularly updated essential sections of code; designed, built, and tested proposed changes to existing software
- Oversaw and managed the development, computer coding, testing, and deployment operations of multiple teams
- Assisted with the setup of a cloud-based system and the successful migration of all relevant data
- Prepared systems testing reports for review by upper-level management

EDUCATION AND TRAINING

14/09/2018 – 14/07/2022 – Bulawayo, Zimbabwe

BSc Computer Science

National University of Science and Technology

Address P.O. BOX AC 939, Ascot, Bulawayo, Zimbabwe | **Website** <https://www.nust.ac.zw/> | **Field of study** Information and Communication Technologies | **Final grade** 2.2 | **Level in EQF** EQF level 8 | **Thesis** Traffic Sign Detection using AI

LANGUAGE SKILLS

MOTHER TONGUE(S): Ndebele

OTHER LANGUAGE(S):

English

Listening
C2

Reading
C2

**Spoken
production**
C2

**Spoken
interaction**
C2

Writing
C2

French

Listening
A2

Reading
A2

**Spoken
production**
A2

**Spoken
interaction**
A2

Writing
A2

DIGITAL SKILLS

My Digital Skills

NoSQL Database MongoDB DynamoDB / Spring (Core, MVC, Spring Data, Batch, Security) / C++ / Linux / Ruby Scripting / Bash-Script / Make, ANT, Maven, Jenkins, RPM / Java Servlets Apache Maven Apache Tomcat JDBC Hibernate ORM Linux

Programming Languages

Java Oracle / Terraforms / Javascript / Python

Backend

Basic - Groovy / Apache, Nginx, Tomcat, Node.js / Tensorflow, Keras, OpenCV, Git, AWS, Selenium, Docker, Kubernetes / Continuous Integration (CI) and deployment (CD) (Jenkins Github Actions GitLab / C
ontainerisation: Docker, Docker-Compose

PROJECTS

13/06/2020 – 17/09/2020

Traffic Sign Detection using AI

<https://github.com/Muzi12345632/TSR-Deploy>

Real time detection of traffic signs using Neural Networks and computer vision. Able to classify 43 different classes of traffic signs from GTSDb in real time

14/08/2020 – 07/01/2021

Reinforcement Learning Ai

https://github.com/Muzi12345632/Reinforcement_Learning_AI

Reinforcement learning is an area of machine learning concerned with how intelligent agents ought to take actions in an environment in order to maximize the notion of cumulative reward. The purpose of reinforcement learning is for the agent to learn an optimal, or nearly-optimal, policy that maximizes the "reward function" or other user-provided reinforcement signal that accumulates from the immediate rewards. Reinforcement Learning also finds application in self-driving cars to train an agent for optimizing trajectories and dynamically planning the most efficient path.



NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY

ACADEMIC TRANSCRIPT

P. O. BOX AC 939
ASCOT, BULAWAYO
ZIMBABWE

TELEPHONE: +263 9 285917
+263 9 282842
FAX: +263 9 286803

Student Name: Umuziwandile Nkomo
Date of Birth: 18 July, 1998
Place of Birth: Nkulumane Clinic, Bulawayo, Zimbabwe
Student No: N0182791P
Department: Computer Science
Programme Title: Bachelor of Science Honours Degree in Computer Science
Start Date: August, 2018
Degree Class Awarded: Lower Second Division (2.2)



Language of Instruction: English

PART I RESULTS (2018-2019 Academic Year)

<u>Course Code</u>	<u>Course Title</u>	<u>Overall Mark %</u>	<u>Classification</u>
SCS1101	Introduction to Computer Science and Programming	55.00	P
SCS1102	Mathematical Foundation of Computer Science	42.00	F
SCS1103	Operating Systems Concepts	58.00	P
SCS1105	Computational Research Methods	68.00	2.1
SMA1101	Calculus	30.00	F
SMA1102	Linear Algebra	50.00	P
CTL1101	Conflict Transformation and Leadership	64.00	2.2
SCS1202	Database Concepts	55.00	P
SCS1204	Logic Design and Switching Circuits	65.00	2.1
SCS1205	Software Engineering Concepts	35.00	F
SCS1206	Visual Programming Concepts and Development	54.00	P
SCS1207	Structured Program Design and Programming	57.00	F

PART I CARRY RESULTS (2019-2020 Academic Year)

<u>Course Code</u>	<u>Course Title</u>	<u>Overall Mark %</u>	<u>Classification</u>
SCS1102	Mathematical Foundation of Computer Science	59.00	P
SMA1101	Calculus	36.00	F

DEPUTY REGISTRAR (ACADEMIC)

G. Hadebe





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SCS1205	Software Engineering Concepts	63.00	2.2
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PART I CARRY RESULTS (2020-2021 Academic Year)

Course Code	Course Title	Overall Mark %	Classification
SMA1101	Calculus	58.00	P
	Part I Overall	59.00	P



PART II RESULTS (2019-2020 Academic Year)

Course Code	Course Title	Overall Mark %	Classification
SCS2101	Computer Data Communications	63.00	2.2
SCS2102	Computer Architecture	52.00	P
SCS2103	Data Structures and Algorithms	68.00	2.1
SCS2104	Structured Systems Analysis and Design	54.00	P
SCS2108	Object Oriented Software Concepts and Development	54.00	P
SORS2104	Operations Research Techniques	50.00	P
SCS2201	Software Design Methodology	57.00	P
SCS2203	Advanced Mathematical Structures for Computing	55.00	P
SCS2204	Internet and Web Designing	67.00	2.1
SCS2206	Computing in Society	73.00	2.1
SCS2207	Computer Networks and Applications	59.00	P
SCS2209	Computational Modelling	58.00	P
	Part II Overall	59.00	P

PART III RESULTS (2020-2021 Academic Year)

Course Code	Course Title	Overall Mark %	Classification
SCS3200	Industrial Attachment	68.00	2.1
	Part III Overall	68.00	2.1

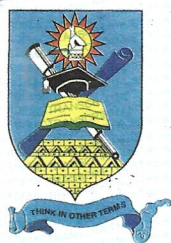
PART IV RESULTS (2021-2022 Academic Year)

DEPUTY REGISTRAR (ACADEMIC)

G. Madziso

N0182791P





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<u>Course Code</u>	<u>Course Title</u>	<u>Overall Mark %</u>	<u>Classification</u>
SCS4101	Artificial Intelligence	69.00	2.1
SCS4103	Software Project Management	51.00	P
SCS4108	Simulation and Modelling	67.00	2.1
SCS4110	Information Systems Security and Auditing	62.00	2.2
SCS4111	Enterprise Architecture Programming	57.00	P
SCI4201	Digital Forensics	66.00	2.1
SCS4000	Final Year Project	59.00	P
SCS4201	Databases Design and Management	57.00	P
SCS4203	Computer Graphics	60.00	2.2
SCS4207	Expert and Decision Support Systems	57.00	P
SCS4208	Distributed Computing	64.00	2.2
	Part IV Overall	61.00	2.2
PRIZES AWARDED:	NONE		

He/She has completed the requirements for the award of the **BACHELOR OF SCIENCE HONOURS DEGREE IN COMPUTER SCIENCE**.



DEPUTY REGISTRAR (ACADEMIC)

G. Hadebe

DATE: 30 September, 2022

N0182791P



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NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY

MARKING SCHEME AND KEY TO GRADES					
(Applicable as from 1992 - 2015)					
Bachelors Degrees			Postgraduate Degrees And Diplomas		
<u>% (Percentage)</u>	<u>Degree Classification</u>	<u>Division</u>	<u>% (Percentage)</u>	<u>Degree Classification</u>	<u>Division</u>
75+	1	First Division	70 and above	D	Distinction
65-74	2.1	Upper Second Division	60 - 69	M	Merit
55-64	2.2	Lower Second Division	50 – 59	P	Pass
45-54	P	Pass			
Below 45	Fail		Below 50	Fail	
35 – 44	Supplementable		40 – 49	Supplementable	
0-34	Not Supplementable		0-39	Not Supplementable	
(Applicable as from 2015 for General Masters in Business Administration only)					
<u>Grade-Point Average (GPA) & Degree Classification</u>	<u>% (Percentage)</u>	<u>Degree Classification</u>	<u>Division</u>		
3.81 - 4.00 Distinction	80-100	D	Distinction		
3.31 - 3.80 Merit	70-79	M	Merit		
2.91 - 3.30 Credit	60-69	C	Credit		
2.50 - 2.90 Pass	50-59	P	Pass		
0.00 - 2.49 Fail	0-49	F	Fail		
(Applicable as from 2016 and to Masters Degrees and Diplomas only)					
<u>% (Percentage)</u>	<u>Degree Classification</u>	<u>Division</u>			
80 and above	D	Distinction			
70-79	M	Merit			
60-69	C	Credit			
50-59	P	Pass			
Below 50	F	Fail			
(Applicable as from 2016 and to Bachelors Degrees only)					
<u>% (Percentage)</u>	<u>Degree Classification</u>	<u>Division</u>			
75-	1	First Division			
65-74	2.1	Upper Second Division			
60-64	2.2	Lower Second Division			
50-59	P	Pass			
Below 50	F	Fail			

This transcript is valid only if it is signed and bears the National University of Science and Technology Stamp

