Reitumetse Edwin Masoko

Contact Information

- **Home Address:** 22 Bush Avenue, Chancliff Ridge, Krugersdorp 1741
- **Phone:** 078 854 8016
- **Email:** edwinreitu@gmail.com
- **LinkedIn:** www.linkedin.com/in/reitumetse-edwin-masoko-17742a205
- **GitHub:** www.github.com/MegaMindDaInevitable

Skills

- **Programming Languages:** C++(Object Oriented Programming, Qt), Python, PyQt
- **Software Development:** Design Patterns, Data Structures, Software Development Life Cycle
- **Databases:** MySQL, Oracle SQL
- **Web Development:** HTML
- **Microsoft Suit:** Excel, Word,Power Point, Access
- **Linux**

Soft Skills

- Problem Solving
- Great Communicator
- Great Listener
- Fast Learner
- Can Easily adapt
- Team Work

Education

University of South Africa (UNISA)
BSc Computing
2020 - Present

- Aquired the following grades
  - Theoretical Computer Science (64%)
  - Introduction to Programming (100%)
  - Computer System: Fundamental Concepts (70%)
  - Introduction to Business Information Systems (56%)
  - Visual Programming I (56%)
  - Human-Computer Interaction (63%)
  - Linear Algebra (50%)
  - Databases I (50%)
  - Visual Programming II (52%)

- Data Structures (50%)

Motlhaputseng High School
2014 - 2018

- Achieved Substantial Grades at Secondary level.

Objective

Goal-driven and dedicated young professional currently pursuing a BSc in Computing at the University of South Africa. I am passionate about programming and computer-related fields, and I have a strong academic background in these areas. I am an active and committed learner, always striving to achieve my goals. I am seeking an internship opportunity that will allow me to apply my skills and knowledge in a practical setting and further enhance my professional development.

Projects

- Calculator
- Number Bases Translator - Translates any Base System to another Base system example (base 10 system to Base 2 (binary))

Reference

- Mogomotsi Moeng -076 270 8336

REPUBLIC OF SOUTH AFRICA

National Senior Certificate

Awarded to

REITUMETSE EDWIN MASOKO

BATLOKWA BA BOGATSU TRADITIONAL COUNCIL
2022 -12- 19
TLOKWENG / SILVERKRAANS
NORTH WEST PROVINCE

Identity number 9909266106080

Exam number 9181321100031

Subject	%	Achievement level
Setswana Home Language	65	5
Afrikaans Second Additional Language	67	5
English First Additional Language	64	5
Mathematics	55	4
Life Orientation	57	4
Computer Applications Technology	66	5
Geography	51	4
**********	***	*

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Designation (rank): NC Sec ex officio of South-Africa
Date: 19-12-2022
Signature: Full Names: MOCHAKOTT.

This candidate is awarded the National Senior Certificate and has met the minimum requirements for admission to bachelor's degree, diploma or higher certificate study as gazetted for admission to higher education, subject to the admission requirements of the higher education institution concerned.

With effect from December 2018

M. S. LAKOMETSE

Chief Executive Officer

190 7980 5030 B

This certificate is issued without alterations or erasure of any kind

UMALUSI

Council for Quality Assurance in General and Further Education and Training South Africa 0375466

(See reverse for more information)

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REPUBLIC OF SOUTH AFRICA
NATIONAL IDENTITY CARD

Surname
MASOKO
Names
REITUMETSE EDWIN
Sex
M
Nationality
RSA
Identity Number
9909266106080
Date of Birth
26 SEP 1999
Country of Birth
RSA
Status
CITIZEN

Signature

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Designation(rank): HCSEC ex office of South-Africa
Date: 19-12-2022

Signature: Full Names: MOCHEKOTT.

BATLOKWA BA BOGATSU
TRADITIONAL COUNCIL
2022 -12- 19
P.O. Box 2217
TLOKWENG / SILVER KRAANS
NORTH WEST PROVINCE

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UNISA university of south africa

Student number: 6789-564-6
Date: 2023-05-16

MASOKO R E MR
71 ADOLF SCHNEIDER
MONUMENT PARK 18
KRUGERSDORP NORTH
1739

Dear Student

As requested, a statement is attached.

Yours faithfully

Prof M S Mothata

Registrar

UNIVERSITEIT VAN SUID-AFRIKA
PRETORIA
UNIVERSITY OF SOUTH AFRICA

University of South Africa
Preller Street, Muckleneuk Ridge, City of Tshwane
PO Box 392 UNISA 0003 South Africa
Telephone: +27 12 429 3111 Facsimile: +27 12 429 4150
www.unisa.ac.za

UNISA university of south africa

Student number: 6789-564-6
Date: 2023-05-16

This is to certify that

REITUMETSE EDWIN MASOKO

Identity Number :9909266106080
Date of Birth :1999-09-26

passed the university examinations in the undermentioned study units for which credit has been granted in partial completion of the

Bachelor of Science in Computing

NQF exit level: 7
Minimum credits required: 360

YEAR	MONTH	CODE		NAME OF STUDY UNIT	%	NQF LEVEL	CREDITS
2020	JUN	COS1501		Theoretical Computer Science I	64	5	12
2020	OCT	COS1511	*	Introduction to Programming I	100	5	12
2020	JUN	COS1521		Computer Systems: Fundamental Concepts	70	5	12
2020	OCT	INF1505		Introduction to Business Information Systems	56	5	12
2020	OCT	INF1511		Visual Programming I	56	5	12
2020	OCT	INF1520		Human-Computer Interaction I	63	5	12
2021	JUN	MAT1503		Linear Algebra I	50	5	12
2021	OCT	COS2601		Theoretical Computer Science II	55	6	12
2021	OCT	COS2611		Programming: Data Structures	50	6	12
2021	OCT	COS2614		Programming: Contemporary Concepts	50	6	12
2023	FEB	INF2603		Databases I	50	6	12
2022	OCT	INF2611		Visual Programming II	52	6	12

* Passed with distinction

Total credits accumulated: 144

Major subject(s):

This qualification is not completed.

Yours faithfully

Registrar

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Purpose statement of modules passed

This is to certify that the purpose statement of the modules offered comprises the following:

COS1501 - Theoretical Computer Science I

To introduce students to some concepts from Discrete Mathematics as a theoretical foundation for Computer Science. This background is relevant to relational databases, the development of provably correct programs, and the analysis of algorithms.

COS1511 - Introduction to Programming I

To provide students with an introduction to programming and to cover the fundamentals of control structures, problem-solving techniques, and the incremental testing of programs.

COS1521 - Computer Systems: Fundamental Concepts

To introduce students to the computer as a system. This covers hardware concepts such as internal representation of numbers and characters and basic computer architecture, and software concepts such as systems software and applications software. It also includes a brief introduction to databases, and to systems analysis and design.

COS2601 - Theoretical Computer Science II

This module together with COS3701 will acquaint students with the capabilities and limitations of computers from a theoretical viewpoint. Module COS2601 covers formal languages, recursive definitions, regular expressions, finite automata, Moore and Mealy machines, transition graphs, the pumping lemma and decision problems.

COS2611 - Programming: Data Structures

To show learners how abstract data types and data structures can be implemented and used in an object-oriented programming language. The module covers recursion, linked lists, dynamic memory allocation, binary trees, and graphs.

COS2614 - Programming: Contemporary Concepts

To enable students to understand and apply the principles of object-orientated programming (inheritance, encapsulation, abstraction, and polymorphism). Students are also introduced to the Unified Modelling Language (UML) and required to apply it when designing solutions to problems introduced in the course. Students are also taught the principles of graphical user interface (GUI) programming, design patterns, and how to apply them when designing and implementing contemporary software systems.

INF1505 - Introduction to Business Information Systems

Qualifying students can apply information technology (IT) concepts in their lives, identify different classes of business information systems, and understand systems development and information systems in business and the wider society. This module provides fundamental introductory knowledge, skills and values which will support further studies and applications in the sector of Information Technology and Computer Sciences and Commerce as part of either the BSc degree or BCom Informatics degree. This module will support further studies and applications in the sector of Computing.

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INF1511 - Visual Programming I

Qualifying students as first-time programmers obtain introductory knowledge, skills, and competencies to apply visual programming concepts, techniques and strategies using problem solving, programming logic, as well as the design techniques of an object-oriented, event-driven language, Python. This module forms part of a B-degree and supports further studies and applications in the sector of Computing, in the fields of Computer Science, Information Systems or Multimedia. The qualifying student can programme computers to solve problems in business and society within African, South-African, and global contexts. Students require daily online connectivity and access and programmingability.

INF1520 - Human-Computer Interaction I

Students who complete this module successfully will have a fundamental-level overview of the principles and concepts of human-computer interaction (HCI). Students become cognisant with trends in the development of usercentred computer applications and in the types of interfaces and interaction styles. They gain an understanding of various attributes of the intended users that may influence computer use, such as their cognitive, perceptual, cultural and social characteristics. Students will be able to describe and compare different usability evaluation methods. They will be qualified to serve as novice members of a design team of interactive technological systems.

INF2603 - Databases I

Qualifying students can understand, design and manage database management systems. This module serves as a fundamental building block in equipping students with the knowledge and competencies to understand and use databases. This module provides fundamental and required knowledge, skills and values which will support further studies in the field of Database Management design and implementation systems on NQF level 7 as part of either Bachelor of Science degree in Computing or Informatics or the Bachelor of Commerce degree in Business Informatics or the Bachelor of Commerce degree with Informatics as major. These competencies contribute to the development of competitive information technology practitioners who have strong technical skills in designing, implementing and managing database systems. The module contributes to the development of the computing field in Southern Africa, Africa, or globally. Students are required to have computers and Internet access.

INF2611 - Visual Programming II

Qualifying students apply knowledge, skills and competencies in order to develop menu-driven, multiple layout- and database -applications in the visual programming paradigm, through the use of Python. The qualifying student is able to programme computers to solve problems in business and society within African, South-African and global contexts. Students require daily online connectivity and access and programming ability.

MAT1503 - Linear Algebra I

To enable students to understand and apply the following basic concepts in linear algebra: non-homogeneous and homogeneous systems of linear equations, Gaussian and Jordan-Gauss elimination, matrices and matrix operations, elementary determinants by cofactor expansion, inverse of matrix using the adjoint, Cramer's rule, evaluating determinants using row/column reduction, properties of the determinant function, vectors in 2- , 3- and n- space, dot product, projections, cross product, areas of parallelograms and volumes of parallelepipeds determined by vectors, lines and planes in 3-space and complex numbers.

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