

Modisa Donald Mukwena

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Summary	Motivated and ambitious second year computer science student with a passion for programming and problemsolving. Proficient in languages such as JavaScript, Python, C, HTML and CSS. I have a solid understanding of data structures, algorithms and web development strategies. Skilled in software development methodologies, version control and collaborative teamwork. Experienced in tutoring, effectively delivering lessons and guiding students in computer science and other STEM subjects.
Core skills	<ul style="list-style-type: none">✓ Programming Languages: Proficiency in programming languages such as Python, Java, C✓ Problem Solving: To analyse complex issues, break them down into manageable parts and guide students into developing effective solutions.✓ Data Structures and Algorithms: Understanding and ability to teach fundamental data structures (linked lists, arrays, stacks queues etc).✓ Web Development: Familiarity with web development technologies like HTML, CSS and frameworks.✓ Data Management: Understanding of database concepts and ability to teach students SQL and relational database management.✓ Object Oriented Programming: Proficiency in OOP principles, enabling me to teach students the concepts of encapsulation, inheritance and polymorphism to design and develop modular reusable code.✓ Mathematics and Logic: Strong foundation in mathematical concepts and logical reasoning, essential for teaching algorithm design and analysis to students.✓ Communication and Collaboration: Effective communication skills to convey technical concepts to students with varying levels of expertise and collaborate with other educators to enhance the learning experience.✓ Continuous Learning and Adaptability: Willingness to continuously learn and adapt teaching methods, staying updated with the latest tools and techniques to provide dynamic and engaging learning environment for students.
Employment History	<p>1. Freelance STEM Tutor : August 2022 - present</p> <ul style="list-style-type: none">● Provide one-on-one and group tutoring sessions in Science, Technology, Engineering, and Mathematics (STEM) subjects to middle school and high school students.● Create customized lesson plans tailored to each student's individual needs and learning styles.● Teach and explain complex STEM concepts in a clear and engaging manner, ensuring student comprehension and retention.● Assist students with homework assignments, projects, and exam preparation, fostering their academic success.● Track student progress, identify areas of improvement, and provide constructive feedback for continuous learning and development.● Maintain open and effective communication with students and their parents to address concerns and provide regular updates on performance. <p>2. Teddy's tuition centre: May 2023-August 2023</p>

Modisa D Mukwena - Curriculum Vitae

	<ul style="list-style-type: none"> ● Provide one-on-one and group tutoring sessions in Science, Technology, Engineering, and Mathematics (STEM) subjects to middle school and high school students. ● Create customized lesson plans tailored to each student's individual needs and learning styles. ● Teach and explain complex STEM concepts in a clear and engaging manner, ensuring student comprehension and retention. ● Assist students with homework assignments, projects, and exam preparation, fostering their academic success. ● Track student progress, identify areas of improvement, and provide constructive feedback for continuous learning and development. ● Maintain open and effective communication with students and their parents to address concerns and provide regular updates on performance.
Education	<ol style="list-style-type: none"> 1. National University of Science and Technology (2022-present): BSc (Hons) Degree in Computer Science 2. Edmaur Tuition Centre (2019): A' level - Math, Physics, Chemistry and Biology 3. Crescent School (2017): O' Level – 8 passes including Mathematics and English
Other Certifications	<ul style="list-style-type: none"> ✓ Attended workshops or seminars on software development, web development, or cybersecurity. ✓ Participated in coding bootcamps or coding competitions, demonstrating proficiency in specific programming languages or problem-solving skills. ✓ Completed university or college courses in computer science or related subjects, highlighting relevant coursework such as Introduction to Programming, Data Structures, Algorithms, or Database Management.
Software Skills	<ul style="list-style-type: none"> ✓ Programming Languages: Proficiency in one or more programming languages, such as Python, Java, C, JavaScript ✓ Microsoft Office Package ✓ Version Control Systems ✓ Web Development Frameworks ✓ Database Management Systems (DBMS) ✓ Operating Systems ✓ Documentation and Collaboration Tools ✓ Agile Development Methodologies
Achievements	<ul style="list-style-type: none"> ✓ Obtained an A star in the English language, making me an excellent communicator in the language of instruction. ✓ Received positive feedback from students and parents for improving students' understanding and performance in computer science subjects. ✓ Actively engaged in professional development, attending workshops and conferences to enhance teaching, and learning strategies and stay abreast of industry advancements.
Personal Details	<p>DOB: 2 December 1998</p> <p>Sex: Male</p> <p>Languages: English, Northern Sotho, SeTswana, Isizulu and TshiVenda, Shona and NDebele</p>

Modisa D Mukwena - Curriculum Vitae

Personal Profile / Personal Attributes	<ul style="list-style-type: none">✓ Passionate and enthusiastic STEM tutor, dedicated to inspiring students' interest in computer science and fostering their learning journey.✓ Patient and empathetic communicator, skilled at simplifying complex concepts and adapting teaching methods to meet the unique needs of individual students.✓ Strong mentorship abilities, guiding students through challenging problem-solving tasks and providing continuous support and encouragement.✓ Excellent interpersonal skills, fostering a positive and inclusive learning environment where students feel comfortable asking questions and engaging in discussions.✓ Adaptable and flexible teaching style, tailoring lessons to different learning styles and adjusting approaches based on student progress and feedback.✓ Strong organizational skills, effectively planning and delivering engaging lessons with clear objectives, activities, and assessments.✓ Encouraging and motivating, instilling confidence in students and empowering them to explore and apply their knowledge to real-world scenarios.✓ Collaborative team player, collaborating with parents, teachers, and fellow educators to ensure a cohesive and supportive learning experience.✓ Keen observer, adept at identifying individual student strengths and weaknesses to provide personalized guidance and targeted support.✓ Commitment to continuous improvement, constantly seeking feedback and incorporating innovative teaching methods and technologies into the classroom.

REFERENCES

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