

Tshegofatso Barvely Thoka

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PROFILE SUMMARY

Motivated and adaptable final-year BSc IT student with hands-on experience in programming support and academic instruction. Proven ability to assist in Python, C#, and C++ development, enhance code quality, and improve learning outcomes. Skilled in delivering personalized support, conducting system analysis, and applying cybersecurity principles. Strong communicator with excellent problem-solving skills and a passion for technology. Committed to continuous learning and driving student success through collaboration, technical support, and tailored instruction.

WORK EXPERIENCE

North-West University

Data Structures and Algorithms student Assistant | July 2025 - Present

Python student Assistant | March 2024 – June 2025

C# and C++ student Assistant | July 2024 - November 2024

- Enhanced code quality and efficiency by assisting in debugging and testing, contributing to smoother and more reliable program performance.
- Improved learning outcomes and coding standards by collaborating with the instructor to resolve programming issues, supporting the delivery of high-quality instructional content.

North-West University

Mathematics Supplementary Instructor | April 2023 - November 2023

- Improved student performance and engagement by providing timely, detailed feedback on progress and assigned tasks, fostering continuous improvement.
- Enhanced individual learning outcomes through personalized instruction sessions tailored to students' unique needs, leading to better module comprehension and academic success.

EDUCATION

North-West University

BSc in Information Technology - In progress (Final year)

Tembisa Secondary School

Grade 12 - 2020

CERTIFICATIONS

Chongqing University of Electronic Engineering: Cybersecurity Training - 2024

Golden Key International Honour Society: 2023

SKILLS

- Strong verbal and written communication
- Attention to detail
- Excellent problem-solving and time management
- Ability to work effectively both independently and as part of a team environment
- Ability to work under pressure
- Adaptability and flexibility
- Willingness to learn
- MS Office Suite (Excel, Word, Powerpoint)

- **Programming:** Python, C#, C++, Java, JavaScript
- **Database:** SQL (MySQL, PostgreSQL)
- System analysis and design
- Data analytics
- Information security & cybersecurity
- Computer networks

ACHIEVEMENTS

- Improved student learning and coding proficiency by assisting with debugging and testing in Python, C#, and C++.
- Delivered personalized academic support and feedback in mathematics, resulting in higher engagement, better understanding, and improved performance across modules.

REFERENCES

Sekuru Traiding

Kgomotso Simango - CEO

082 263 5092, Kgomotso935@gmail.com

North-West university

Luke Coetzee - Junior Lecturer

082 469 6996, Luke.coetzee@mynwu.ac.za