Mbuyelo Batlile Mboweni

Centurion, South Africa | 0670072746 | batlilemboweni@gmail.com | LinkedIn | GitHub | YouTube | NWU Article

Highly motivated final-year BSc Information Technology student with practical experience in software development, automation, networking, and databases. Strong foundation in full-stack development and scripting, with a focus on building efficient, maintainable systems. Quick to learn, with a passion for problem-solving and simplifying complex challenges. Eager to contribute to impactful, real-world projects in a collaborative team environment.

Education

Bachelor of Science in Information technology (Computer Science and Information Systems)
North-West University Potchefstroom | 2023-2025 (Expected)

National Senior Certificate
Lyttelton Manor High School | 2018-2022

Completed CISCO Introduction to Cybersecurity and Networking Basics (2024)

Experience

Academic Advisor – Green Meadows Residence, North West University

Feb 2025 - Present| Potchefstroom

- Serve as the academic advisor for first- and second-year students for my school residence.
- Provide academic mentorship, tutoring and support in Python and IT-related modules
- Host one-on-one and group sessions, assist with debugging code and clarifying key concepts.

IT-Learneship – Stadio Centurion

15 July – 19 July 2024 | Centurion

- Gained hands-on experience in network management, server control and database administration.
- Provided technical support and troubleshooting for various software and hardware issues
- Observed and supported daily IT operations within a professional business environment

Skills

Languages: Python, C++, C#, JavaScript, TypeScript, Java

Database Management: SQLite, PostgreSQL, MongoDB, Firebase

Web Development: React, HTML, CSS, Git, Flask, Django

Soft Skills: Attention to Detail, Leadership, Mentorship, Communication, Problem-Solving, Time Management

Projects

ARCADEMIA GAMEJAM (GAMEMAKER, BLENDER, PHOTOSHOP)

• Created a winning submission for the 2025 Arcademia Game Jam in 48 hours

• Collaborated with peers to build a computer networking themed top-down shooter game

AUTOMATED UNIVERSITY LOGIN BOT (PYTHON, SELENIUM)

• Developed an automation script to securely log into the NWU eFundi portal across multiple browsers, handling session management, navigation, and credential security.

• Improved daily academic access and workflow efficiency through custom scripting, enhancing productivity and reducing manual login time.

WEB DEVELOPMENT MESSAGING APP (JAVASCRIPT, REACT, FIREBASE, HTML AND CSS)

• Developed key features for a real-time messaging app using React and Firebase, including user authentication, chat functionality, and group messaging.

• Collaborated in an agile team environment, gaining experience with Git version control, branch management, and efficient development workflows.

DESKTOP UI APPLICATIONS (PYTHON & C# WITH POSTGRESQL)

• Developed GUI-based applications with backend SQL database support

• Enabled user interaction, data input, output and validation

SERVER-CLIENT COMMUNICATION SYSTEM (C++, PYTHON)

• Built a bi-lingual, multi-threaded client-server application using socket programming, enabling secure real-time communication across connected clients.

• Implemented encryption/decryption, thread management, logging, and debugging to ensure secure, stable, and high-performance message exchange.