

SICELWESIHLE MYEZA

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EDUCATION

University Of Witwatersrand
Bachelor of Science in Computer Science

Johannesburg, Gauteng
Jan 2020 – Dec 2024

- Majors: Computer Science and Computer Applications.
- Relevant Coursework: Software Design; Database Fundamentals; Operating Systems & Systems Programming; Advanced Analysis of Algorithms; Computer Graphics and Visualization; Machine Learning; Parallel Computing & Computer Networks.

WORK EXPERIENCE

Software Developer Intern
University of Witwatersrand

Braamfontein, Gauteng
Apr 2024 – Nov 2024

- Developed secure enterprise systems for the Wits Research Office, enhancing data security and efficiency.
- Wrote and maintained unit tests, improving software reliability and maintainability.
- Integrated and managed RESTful APIs for seamless data retrieval and storage.
- Designed and implemented system pipelines to streamline data processing and automation.

Technical Lab Assistant
University of Witwatersrand Mathematical Sciences Lab

Braamfontein, Gauteng
Mar 2022 – Nov 2023

- Provided exceptional technical support to over 100 staff members, efficiently resolving complex issues related to Java and Oracle, ensuring seamless operations.
- Demonstrated proficiency in assembling PCs from scratch, demonstrating expertise in hardware assembly and component integration, and operating systems installations.
- Optimized technical workflows to improve lab efficiency and performance.

UNIVERSITY PROJECTS

Maze Game Development

Aug 2024

- Developed an interactive 3D maze game using JavaScript, HTML, CSS, and Three.js.
- Applied computer graphics knowledge to enhance the game by implementing advanced lighting, shading techniques and creating a 3D interactive maze environment with an optimized 2d ground plane.

Reddam House CCE Application

Oct 2023

- Collaborated in a team of six to develop a progressive Web Application using Flutter and Android Studio.
- Designed an intuitive UX/UI, ensuring smooth navigation and accessibility for users.
- Utilized Flutter's Widget based architecture to build a structured and responsive interface.

TECHNICAL SKILLS

Programming Languages: Python, Java, JavaScript, HTML/CSS, SQL, React

Technologies & Frameworks: Linux, Git, Three.js, Oracle, Node.js, .Net, Microsoft Azure, Power BI

Data & Analytics: Pandas, Tableau, TensorFlow, PyTorch

LEADERSHIP/ EXTRACURRICULAR

Computer Science First Year Tutor

University of Witwatersrand

Johannesburg, Gauteng

Feb 2023 – Nov 2023

- Provided academic support for Basic Computer Organization, helping students grasp foundational concepts and develop problem-solving skills.
- Conducted focused tutoring sessions on Introduction to Data Structures and Algorithms, simplifying complex topics and fostering analytical thinking.
- Assisted students in applying theoretical knowledge through practical exercises, reinforcing core programming and computational concepts.