

Patricia Magumise

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SUMMARY

Highly motivated graduate student pursuing a Masters in Applied Data Science, with a strong foundation in Library and Information Science. Leverages exceptional leadership skills and a proven ability to transform complex datasets into actionable insights and impactful data visualizations using SQL, Tableau, and Python. Eager to contribute to data- driven decision- making and enhance organizational efficiency as a Data Scientist Summer Intern.

EDUCATION

Clarkson University Potsdam, NY Masters Applied Data Science	Expected Spring 2027
National University of Science and Technology ZW Masters Library and Information Science	2022
National University of Science and Technology ZW Bachelor of Science Honours Degree Library and Information Science	2019

EXPERIENCE

Graduate Library Assistant Clarkson University Potsdam NY	Fall 2025- Present
• Enhanced collection insights and service planning by transforming messy datasets into accurate ones, driving a 15% improvement in data integrity.	
• Built interactive dashboards and visual reports using Tableau that revealed key trends in circulation, inventory, and user satisfaction, informing strategic resource allocation.	
Head Librarian Wise Owl Group of Schools ZW	May 2023- 1 August 2025
• Led literacy intervention strategies across all grade levels, positively impacting student reading comprehension by 20% through data-informed program adjustments.	
• Spearheaded the implementation of the Koha Library Management system and library policies, streamlining operations and improving accessibility for over 1000 students.	
• Developed and managed the library's budget, allocating resources effectively to support collection development and technology infrastructure, ensuring a 98% resource availability rate.	
Executive Assistant Yellow Snake Mine ZW	November 2022- March 2023
• Coordinated and scheduled over 20 meetings with project members, ensuring critical deadlines were met and projects remained within budget constraints.	
• Gathered and synthesized essential information for executive travel, contributing to seamless logistical execution and saving an estimated 10 hours of planning time per trip.	
Librarian Marondra High School	July 2020 – October 2022
• Maintained, organized, and supervised the circulation, cataloging, and shelving of over 5,000 library materials, ensuring efficient resource management.	
• Trained 500+ students on information literacy skills and reference assistance services, enhancing their research capabilities and academic success.	
Information Officer Arathorn Engineering Services ZW	Dec 2018-March 2020
• Captured and managed data for employees, receipts, and over 200 client records, ensuring data accuracy and accessibility for financial reporting.	
• Introduced and implemented a cloud-based record-keeping system, enabling the company to transition to a more secure method of storing and backing up all digital assets, reducing data loss risk by 90%.	
Information Officer Intern Tax Management Services ZW	
• Filed and organized all company documents, including minutes, reports, and confidential correspondence, improving retrieval times by 30%.	
• Updated the company website and social media tools, contributing to a 10% increase in online engagement.	

PROJECTS

Clarkson University Library Circulation and Collection Insights (Tableau)	Fall 2025
• Designed interactive Tableau dashboards to analyze library circulation, inventory, and usage patterns using real institutional data, providing actionable insights for resource optimization.	
Arathorn Engineering Company Database Management System (SQL)	Fall 2025
• Developed ER diagrams, relational schema, primary and foreign key constraints, implemented sample SQL queries, and enforced business rules using SQL triggers to build a robust database.	
Interactive Analytics Application (Python Shiny)	Fall 2025
• Built interactive Python Shiny applications with dynamic filters and user inputs to explore real- world datasets, facilitating responsive visualizations and in-depth analysis.	

SKILLS

- Programming Languages: Proficient in Python and SQL for data manipulation and analysis.
- Data Analysis and Visualization: Expertise in Tableau and ShinyApps for creating impactful dashboards and interactive reports.
- Database Management: Experienced with ERD Plus, OCLC WorldShare, and Koha Library Management Systems