

Patricia Magumise

Potsdam, NY | (315) 244 9293 | patriciamagumise26@gmail.com | <https://www.linkedin.com/in/patriciamagumise>

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 | **Marondera 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