Dr.

Master of Library and Information Science: San Jose State University (San Jose, CA) Concentration: Technology and Administration

Bachelor of Science, *magna cum laude*; University of Maine at Augusta (Augusta, ME) Major: Library and Information Services

### **Technical Certifications and Skills**

AWS Certified Cloud Practitioner Azure Snowflake Docker Python JavaScript HTML CSS Spring Boot SQL PostgreSQL Vue.js Responsive Design React Node Java OOP Power BI Data Modeling Integration Testing Unix Agile Web Accessibility Git Unit Testing Quarto

#### **Professional Experience**

Data Innovation Lab - Tech Impact, Dover, DE

#### **Data Engineering Fellow**

2022 to Present

Led, designed, built and deployed data solutions and assessment for government, corporate, community and non-profit projects. Created and managed Cloud services (Azure, AWS, Snowflake) to support all aspects of tech products. Created and developed new ways of applying and optimizing analytics solutions to increase their value contribution.

teaching and research. Conducted analysis of queried research to provide insight to inform data-driven decision making. Effectively created and communicated data analysis documentation to university departments and stakeholders. Identified and support professional development opportunities to advance the strategic directives across all levels of the organization. Fostered key relationships and partnerships to enhance the goals and objectives of the library. Enriched the library programs and opportunities through contribution to professional scholarly publication at the local, state and national levels.

Delaware State University, Dover, DE

## **Title III Activity Director**

2018 to 2022

Oversaw the day-to-day management of the Title III project activities and budget, working toward achieving the project's goals. Ensured the optimal integration of the project's activities. Maintained effective communication channels and establish procedures to assure the operation of the project remains congruent with the goals of overall institutional development. Developed and coordinated the implementation of a digitization strategy for primary source documentation. Expand the digital collection through the creation of a digital framework, enhancing the creation, delivery and preservation of digital artifacts. Prepared and monitored fiscal and technical reports, authorized expenditures and coordinated the grant activities and successfully complete the project. Monitored compliance with federal, state and local documentation and processes. Actively engaged in outreach as a liaison to identify areas to enhance access to information and impact student achievement.

Laurel Public Library, Laurel, DE

**Director** 2016 to 2018

Responsible for the leadership, development and management of the overall library strategy, administration, operations and a wide variety of issues including patron engagement, information access, and innovation in reference and information services and resources. Evaluated and assessed all areas of information services, educational activities and collection development. Provided fiscal management, fundraising, increased community collaborations, and articulated and advocated for the library vision. Reported to a five-member, court appointed Board of Commissioners and attends monthly meetings as Secretary to the Board as well as various community and government meetings.

- Record-breaking increases in the overall budget, attendance, donations, community partnerships and programming
- Implemented the two annual signature community programs leading to increases in fundraising gifts.
- Implemented a digitization project for local, county and state newspapers

University of Maryland Eastern Shore, Princess Anne, MD

#### **Special Collections Library Services Assistant**

2014 to 2016

Organized, maintained, and digitized collections of archival and rare materials, research and fulfill university archival requests and assist library patrons in the Special Collections Department. Founding curator of Library Lecture Series and primary curator of Special Collections exhibits. Assisted with accreditation self-study, evaluation and assessment, completion of performance appraisals, monitoring \$1.9M budget, and grant writing. Prepared reports for federal and state agencies. Provide

American Library Association Annual Conference

**Presenter** "Makerspaces and Active Learning"; 2017 "Promotion, Advocacy, and Creative Funding Ideas for Rural or Tribal Libraries", 2014; "The Future is Now: Rural Library as Innovation Incubator", 2013

WebJunction Webinar, 2013

**Presenter** "The Future is Now: Rural Library as Innovation Incubator"

## **Technical Experience**

**Data Inventory Assessment** – Served as a lead on a project with the Delaware Department of Agriculture to provide an initial data assessment across multiple divisions utilizing Snowflake for the operational analysis and PowerBI for the dashboard visualization.

**VR Education Data Pipeline** – Worked with a VR software developer to create an ETL data pipeline of educational data using Azure Data Factory.

**GIS Application Cloud Architecture –** 

Blue Hen Book Award Picture Book Committee **Chair**, 2014

Rural Native and Tribal Libraries of All Kinds **ARSL Liaison**, 2013

Lubuto Library Partners, 2014

Intern/Curriculum Development

# **Professional Memberships**

American Library Association, 2011 - Present
Delaware Library Association, 2011 - Present
Black Caucus of the American Library Association, 2018 - Present
Association for Library and Information Science Education, 2018 - Present
American Educational Research Association, 2018 - Present

# References

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