

Alysa Miller

M.S. Candidate | Data Analysis & Visualization | Passionate About Data Used for Human Impact

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EDUCATION

FLORIDA INSTITUTE OF TECHNOLOGY

Master of Science in Computer Information Systems

Melbourne, FL

August 2024 - December 2025

- **Relevant Coursework:** Systems Administration, Information Security Management, Computer Networks for Information Specialists, Enterprise Security, Integration of Database Systems, Data Structures & Programming, Advanced Programming

UNIVERSITY OF FLORIDA

Bachelor of Arts in Anthropology with Honors

Gainesville, FL

July 2020 - May 2024

- **Relevant Coursework:** Analytic Geometry and Calculus, Problem Solving Using Computer Software, Microeconomics, Statistics, Computing in the Business Environment, Biology I, Biology II, General Chemistry I, Personal Family Health, Intro to Public Health, Cultural Anthropology, Human Sexuality & Culture

EXPERIENCE

Library Associate

September 2024 - Present

Buenaventura Lakes Branch Library - Library Systems & Services

- Delivered exceptional customer service by answering research inquiries and general questions, fostering positive relationships and increasing patron engagement.
- Managed Polaris Leap Integrated Library System to streamline daily operations, ensuring efficient item transfers and patron account management.
- Leveraged data from Polaris Leap to make informed circulation decisions, enhancing library resource management and patron engagement.
- Promoted library programs and events through in-person and social media channels, increasing community engagement and attendance.
- Provided technical support, troubleshooting library databases and technologies to maintain smooth operations.
- Collaborated on library program development and designed promotional graphics for Library Systems & Services.

Library User Services Student Assistant

November 2023 - May 2024

Library West - University of Florida

- Assisted patrons with checkouts, research inquiries, and questions about library services, delivering clear and personalized support.
- Used tools like Microsoft Teams, Excel, Trello, and library databases to coordinate with staff, manage tasks, and document patron interactions.
- Maintained working knowledge of Library of Congress classification and UF Libraries' policies to ensure accurate resource handling.
- Engaged with a diverse group of patrons – including students, prospective families, and campus visitors – by assisting with checkouts, explaining library resources, and promoting UF in a welcoming, informative manner.

PROJECTS

Public Health Equity Dashboard

June 2025 - July 2025

- Analyzed practice healthcare data to uncover disparities in cost, care duration, and health conditions by insurance type, gender, age group, and hospital. Built a Tableau dashboard to communicate insights.
- **Tools:** Microsoft Excel, PostgreSQL, Visual Studio Code, Tableau

Library Circulation Trends Dashboard

January 2025 - July 2025

- Developed a dashboard using Polaris Leap data to identify patron checkout trends and support data-driven decisions for collection development.
- **Tools:** Microsoft Excel (Power Query), Tableau, Canva, Pixlr Editor, Polaris Leap

Hurricane Michael Data Analysis Project

January 2025 - August 2025

- Analyzed weather data from three weather stations in Panama City, FL during Hurricane Michael to explore early indicators of hurricane development and contribute to insights for improving disaster preparedness.
- **Tools:** Microsoft Excel, PostgreSQL, Visual Studio Code, Power BI, GitHub (for version control)

Honors Thesis - University of Florida

August 2023 - May 2024

- Explored cultural identity and resilience in Mexican American communities through qualitative research and statistical analysis; presented findings to academic audiences.
- **Tools:** Interviewing, Thematic Analysis, Microsoft Excel, Tableau, Ethnographic Research, Data Storytelling

Skills: Python, Java, Javascript, SQL, Tableau, Excel, VS Code, Microsoft Office, Data Cleaning, Data Visualization, Data Storytelling, Statistical Analysis, Machine Learning, Written & Verbal Communication, Problem Solving, Multitasking