# Alysa Miller

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

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## EDUCATION

**FLORIDA INSTITUTE OF TECHNOLOGY**                                                                    **4.0 GPA**
Master of Science in Computer Information Systems                                   **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**                                                                                **3.2 GPA**
Bachelor of Arts in Anthropology with Honors                                            **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

## 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:** Synoptic Data Weather API, Microsoft Excel, PostgreSQL, Visual Studio Code, Power BI, GitHub

**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

## EXPERIENCE

**Library Associate**                                                                         **September 2024 - Present**
**Buenaventura Lakes Branch Library - Library Systems & Services**
- Analyzing library data to create interactive dashboards, gain insights about library trends, and share my findings with the library system.
- Leveraging data from Polaris Leap to make informed circulation decisions, enhancing library resource management, and patron engagement.
- Managing the Polaris Leap Integrated Library System to streamline daily operations, ensuring efficient item transfers and patron account management.
- Providing technical support, troubleshooting library databases, and technologies to maintain smooth operations.
- Collaborating on library program development and designing graphics for Library Systems & Services.
- Delivering exceptional customer service by answering research inquiries and general questions, fostering positive relationships, and increasing patron engagement.

**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.

**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**