



Melissa Humble-Sage

CONTACT

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Skokie, IL

mhumblesage.github.io

EDUCATION

IDAHO STATE UNIVERSITY

- B.A. in Chemistry

SKILLS

- Tools: Excel, SQL, Tableau, Power BI, Python, AWS, Laboratory Information Systems
- Analytical Techniques: Data cleaning, Validation, Trend analysis, Quality assurance, Business intelligence visualizations, Data Analysis, Dashboard Development, Healthcare Analytics
- Soft Skills: Communication, Project organization, Cross-functional collaboration, Process optimization

CERTIFICATIONS

- AWS Certified Cloud Practitioner (2025-Current)
- Technologist in Chemistry (C(ASCP)) (2010-Current)

PROFESSIONAL SUMMARY

Analytical professional with a background in chemistry and clinical laboratory science, transitioning into data analytics. Skilled in uncovering trends, solving complex problems, and communicating insights to drive better business decisions. After taking time away from the workforce to raise my children, I am eager to leverage this unique combination of technical and analytical expertise to deliver actionable insights in a data-focused role.

PROJECTS

Driving Revenue Growth - SQL & Power BI

- Analyzed healthcare revenue data to identify trends and marketing channel performance
- Cleaned and transformed data using MySQL; built interactive dashboards in Power BI
- Delivered actionable insights on revenue drivers and growth opportunities.

Laboratory Operations Efficiency - Excel

- Evaluated turnaround times, and resource utilization for clinical lab operation
- Performed data cleaning, pivot table analysis, and KPI development to highlight inefficiencies
- Presented recommendations to improve workflow efficiency and reduce delays

Healthcare Affordability Analysis - Python & Tableau

- Collected and analyzed healthcare subsidy data across U.S. states to evaluate affordability trends
- Used Python to clean and aggregate state-level data; applied Tableau to visualize subsidy distribution and identify disparities
- Generated insights to highlight states with the highest and lowest relative affordability, informing potential policy and resource allocation strategies

PROFESSIONAL EXPERIENCE

Elizabeth Meyer Elementary School - Skokie, IL

MAR 2024 - CURRENT

Paraprofessional and Registered Behavioral Technician

- Provided one-on-one and small group instruction while collecting and recording detailed progress data to support targeted intervention plans
- Communicated effectively with the educational team to relay analytical observations and progress reports
- Utilized data validation techniques to track student behavior, informing behavior intervention planning and process improvement initiatives
- Facilitated social skills development and adapted instructional methods based on monitored trends and individual student needs



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PERSONAL INTERESTS

- Photography
- Pottery
- Playing the guitar
- Adventures with my two boys

PROFESSIONAL EXPERIENCE

Ochsner Medical Center - New Orleans, LA

MAR 2020 - OCT 2021

Gross Room Technician

- Streamlined gross lab operations by analyzing workflow data and implementing process improvements to enhance operational efficiency
- Managed specimen lifecycle and coordinated cross-departmental communication, ensuring sample integrity
- Developed and implemented innovative data gathering and management processes, aligning with healthcare analytics and regulatory standards
- Documented quality assurance metrics and maintained comprehensive regulatory compliance documentation to support ongoing quality improvement efforts

Abbott Toxicology - New Orleans, LA

MAY 2019 - MAR 2020

DOT Data Transcriptionist

- Analyzed and verified lab data accuracy for toxicology reports, ensuring data integrity
- Operated and maintained GC-MS and LC-MS/MS instrumentation
- Ensured data integrity by cross-referencing lab results with system inputs to minimize processing errors
- Optimized data flow processes to support efficient and accurate reporting

ARUP Laboratories - Salt Lake City, UT

Data Analyst, C (ASCP)

DEC 2010 - JUL 2014

- Conducted quality assurance and analytical reviews across multiple instruments
- Interpreted and validated complex lab data, ensuring regulatory compliance and data accuracy
- Mentored new analysts and refined standard operating procedure to enhance overall data processes
- Diagnosed and resolved laboratory instrumentation issues to maintain seamless data collection

ARUP Laboratories - Salt Lake City, UT

Lab Technologist

AUG 2007 - DEC 2010

- Supported drug testing data workflows by extracting and preparing clinical samples, ensuring precise data collection
- Ensured timely and accurate test result delivery through meticulous organization and process standardization
- Assisted in research projects by contributing to data collection and analysis regarding test efficacy in the Clinical Drugs of Abuse Lab

PROFESSIONAL DEVELOPMENT

Continuing Education (Udemy)

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|--|-------------|
| • Complete Data Analyst Bootcamp | IN PROGRESS |
| • AWS Certified Solutions Architect Associate | IN PROGRESS |
| • AWS Certified AI Practitioner | IN PROGRESS |
| • AWS Certified Cloud Practitioner | APR 2025 |
| • Become a Data Analyst - (Python, Excel, SQL, Power BI) | JAN 2025 |
| • Product Management 101 | SEPT 2023 |
| • The Concise Product Management Course | SEPT 2023 |
| • Basics of Clinical Data Management | NOV 2022 |
| • Intro to Hospital Information Systems | MAY 2022 |

