Sarah A. Mangrum

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SUMMARY

Compassionate and driven graduate of a Data Science certificate program with previous experience in healthcare. Dedicated to leveraging my prior knowledge to uncover actionable insights and improve outcomes through data wrangling, analysis, and visualization.

SKILLS AND STRENGTHS

- **Technical Skills**: Excel | SQL | Tableau | Python | R | Data Prep and Analysis | Basic Statistics
- **Professional Skills**: Problem-Solving, Mentorship, Cross Collaboration, Communication, Time Management

PROJECTS

Analyzing the Impact of Diabetes on Hospital Admissions

- Using **SQL**, Explored **100,000+** row patient healthcare data set, assessing key factors such as hospital equality & duration of hospital stay.

Massachusetts Education System: A Look at Performance

- Using *Tableau*, created interactive dashboard from Massachusetts Dept. of Education dataset identifying key performance metrics for **1800+** schools allowing at-a-glance viewing & understanding of the entire program.

Burgers & Fries, Oh My: A Look at Food Delivery Sales

- Using *Excel,* analyzed **2000+** rows of customer data from *iFood* dataset utilizing Data Aggregation, Pivot Tables, & VLOOKUP to evaluate campaign success levels identifying key insights of the customer population & enabling improved targeting of marketing funds.

EXPERIENCE

Lead Mammographer

Advent Health | Texas Health Huguley Hospital Fort Worth South | April 2018 - Present

- Managed Mammography Quality Assurance/Quality Control Program while performing **1500+** exams annually & completing machine performance testing resulting in high-quality patient exams & imaging.
- Observed patient scheduling trends leading to a **15% increase** in weekly appointments by optimizing the schedule, showcasing my capability for data-driven decision-making.
- Fostered positive, trusting relationships while delivering exceptional patient care & bolstering Press Ganey patient satisfaction survey "overall care experience" KPI scores from **5% to 82%** in my first year.
- Facilitated & supported training and mentorship to **10+** technologists offering expertise & domain knowledge while providing patients with skilled, educated individuals during their exam experience.

Lead Mammographer

Texas Health Resources | Texas Health Harris Methodist Hospital Stephenville | July 2007 - May 2019

- Managed Mammography Quality Assurance/Quality Control Program & reviewed **500+** patient records annually while tracking, categorizing, and informing patients & physicians of potential abnormalities & cancers of the breast.
- Developed & implemented EQUIP Image Quality Review Program using state regulations to ensure quality images submitted for Radiologist interpretation resulting in **zero** compliance deficiencies.
- **100% success rate** on **10+** Texas Department of Health/FDA Annual MQSA Inspections & fostered leadership by serving as High-Reliability Coach, Student Mentor, & Patient Safety Observer

EDUCATION

- **Data Analytics Accelerator Certification**
  Data Career Jumpstart, January 2024-Present
- **Data Science Certification**
  Southern Careers Institute powered by Woz U, April 2021 - November 2021
- **Radiologic Technology Certification**
  JPS Institute for Health Career and Development, 2000-2002