

# Samantha Calkiewicz

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## EDUCATION

<b>University of Texas Rio Grande Valley</b> <i>Master of Science in Business Analytics and Artificial Intelligence</i>	Edinburg, TX Jan 2025 – Anticipated Completion Dec 2025
<b>Oak Point University</b> <i>Bachelor of Science</i>	Oak Park, IL Jan. 2023 – April 2024

## EXPERIENCE

<b>Independent Business Analytics Contractor</b>   Python, Excel, Tableau <i>Pro Prevent LLC</i>	May 2025 – July 2025 Algonquin, IL
<ul style="list-style-type: none"><li>Automated reporting workflows, reducing manual reporting time by 30% and enabling faster decision-making</li><li>Analyzed seasonal sales trends, uncovering \$20K monthly peaks in summer, which enabled proactive staffing and boosted revenue capture during peak months</li><li>Delivered insights that improved client retention and scheduling efficiency, contributing to 12% revenue growth during the contract period</li></ul>	
<b>Independent Business Analytics Contractor</b>   Python, Excel, Tableau <i>A'vion Salon and Spa Suites</i>	March 2025 – May 2025 Algonquin, IL
<ul style="list-style-type: none"><li>Analyzed cancellation patterns leading to new scheduling policies that cut same-day cancellations by 25% and recovered more than \$5,000 in monthly revenue</li><li>Delivered insights that improved scheduling efficiency and boosted client retention, contributing to 15% revenue growth</li><li>Ranked top-performing services, guiding promotions that boosted repeat bookings by 12% and increased service revenue mix by 8%</li></ul>	
<b>Mammography Technologist</b>   Epic, PenRad, PACS <i>Advocate Aurora Good Shepherd Hospital</i>	January 2023 – January 2025 Barrington, IL
<ul style="list-style-type: none"><li>Leveraged 5+ years of combined hospital and clinical experience with Epic, PenRad, and PACs to manage patient records and imaging workflows, ensuring accuracy and efficiency in diagnostics</li><li>Developed KPIs and visual progress tracking system for technologists, improving workflow transparency and increasing daily exam throughput by 50%</li><li>Ensured 100% compliance with HIPAA regulations, safeguarding patient data across 1,200+ exams annually and maintaining hospital accreditation standards</li></ul>	
<b>Operations Manager</b>   Excel, Clover POS, SalonRunner, QuickBooks <i>A'vion Salon and Spa Suites</i>	January 2019 – December 2022 Algonquin, IL
<ul style="list-style-type: none"><li>Led the full setup of electronic business systems before launch, implementing Excel, Clover POS, SalonRunner, and QuickBooks to create the salon's first fully digital operations workflow</li><li>Collected, analyzed, and interpreted operational data to recommend workflow improvements, raising client satisfaction scores by 15% and reducing service bottlenecks</li><li>Designed and implemented a demand-based scheduling model, optimizing staff allocation to cut idle time by 18% while improving resource utilization</li></ul>	

## PROJECTS

<b>Hospital Readmissions Case Study</b>   Python, SQL, Tableau	July 2025 – September 2025
<ul style="list-style-type: none"><li>Analyzed 30k-row synthetic hospital dataset to address costly 30-day readmissions</li><li>Built predictive models (Logistic Regression, Random Forest) and Tableau Dashboard</li><li>Identified key risk drivers and modeled \$4.56M potential savings from targeted interventions</li></ul>	

## TECHNICAL SKILLS

**Data Analysis and Modeling:** Data cleaning, EDA, KPI tracking, trend analysis, anomaly detection, logistic regression, decision trees, random forest, autoencoder models

**Programming and Query Languages:** Python (pandas, matplotlib, seaborn), R (tidyverse, ggplot2), SQL (joins, subqueries, aggregation)

**Tools and Software:** Power BI, Tableau, Excel (PivotTables, Solver, formulas), RStudio, Spyder, Jupyter Notebook, VS Code, DBeaver, Epic, PenRad, PACs, Github

**Business Intelligence and Data Management:** Dashboard development, reporting automation, Microsoft Access, Google Colab, HIPAA-compliant data handling