

Samantha Calkiewicz

847-275-9306 | samantha.cwz@gmail.com | linkedin.com/in/samantha-calkiewicz-64b553351 | samanthacalkiewicz.github.io

EDUCATION

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

EXPERIENCE

| | |
|--|---|
| Independent Business Analytics Contractor Python, Excel, Tableau <i>Pro Prevent LLC</i> | May 2025 – July 2025 Algonquin, IL |
| <ul style="list-style-type: none">Automated reporting workflows, reducing manual reporting time by 30% and enabling faster decision-makingAnalyzed seasonal sales trends, uncovering \$20K monthly peaks in summer, which enabled proactive staffing and boosted revenue capture during peak monthsDelivered insights that improved client retention and scheduling efficiency, contributing to 12% revenue growth during the contract period | |
| Independent Business Analytics Contractor Python, Excel, Tableau <i>A'vion Salon and Spa Suites</i> | March 2025 – May 2025 Algonquin, IL |
| <ul style="list-style-type: none">Analyzed cancellation patterns leading to new scheduling policies that cut same-day cancellations by 25% and recovered more than \$5,000 in monthly revenueDelivered insights that improved scheduling efficiency and boosted client retention, contributing to 15% revenue growthRanked top-performing services, guiding promotions that boosted repeat bookings by 12% and increased service revenue mix by 8% | |
| Mammography Technologist Epic, PenRad, PACS <i>Advocate Aurora Good Shepherd Hospital</i> | January 2023 – January 2025 Barrington, IL |
| <ul style="list-style-type: none">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 diagnosticsDeveloped KPIs and visual progress tracking system for technologists, improving workflow transparency and increasing daily exam throughput by 50%Ensured 100% compliance with HIPAA regulations, safeguarding patient data across 1,200+ exams annually and maintaining hospital accreditation standards | |
| Operations Manager 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">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 workflowCollected, analyzed, and interpreted operational data to recommend workflow improvements, raising client satisfaction scores by 15% and reducing service bottlenecksDesigned and implemented a demand-based scheduling model, optimizing staff allocation to cut idle time by 18% while improving resource utilization | |

PROJECTS

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

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 |