

Arnetrice Smith

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Professional Summary

Experienced professional with a strong foundation in data science principles, predictive modeling, and operational analytics. Proficient in Python, SQL, and data visualization tools, with practical experience applying machine learning techniques to optimize processes and enhance operational efficiency. Certified in Applied Data Science from MIT, I am eager to leverage my technical and leadership skills to drive data-driven decision-making and innovation in tech-focused roles.

Work Experience

Master Scheduler, NewSouth Window Solutions, Tampa, FL

2021 – Present

- **Leadership & Team Management:** Lead a team of five hourly employees specializing in capacity management, customer care, order release, custom window design, and RMA/warranty processing. Ensured streamlined communication and productivity across operations, purchasing, and material handling.
- **Process Optimization:** Directed capacity management and lead time reduction to ensure on-time, in-full delivery. Oversaw release management and production scheduling, enhancing output accuracy.
- **Cross-Functional Collaboration:** Managed resource allocation, order fulfillment, and production scheduling while coordinating with quality assurance to verify RMA and warranty items, boosting customer satisfaction and minimizing backorders.

Achievements & Innovations:

1. **Python Automation for FlexScreen:** Automated CSV creation with Python, reducing task time from 2 hours to 30 minutes daily and eliminating manual errors, such as copy-paste mistakes and overlooked manual adjustments.
2. **Manufacturing Database Development:** Built an Excel-based database using SQL and Power Query, providing market stores with real-time shipment data via SharePoint, improving inventory management for 3+ years.
3. **Combined Report for Status Tracking:** Integrated system reports and spreadsheets into a tool answering key scheduling questions and raising OTIF from <80% to >90%.
4. **Dashboard Development:** Developed SQL stored procedures for dashboards integrated with FeneVision ERP, utilizing iDashboards and Domo platforms to graphically display key metrics and support data-driven decision-making. Successfully tested these

dashboards pre-launch; however, deployment was postponed due to organizational changes.

5. **FlexScreen Combiner Implementation:** Created a tool leveraging Power Query in Excel to batch ERP-generated files, enhancing production grouping by schedule and production line, saving time and improving accuracy.
6. **Razor Gauge Logic Development:** Designed logic for Razor Gauge machine operators to determine punch locations on sliding glass doors sold to Lowe's stores across Florida. Converted engineer-provided parameters into a background macro, activated through the machine interface, allowing operators to generate CSV files at the push of a button—streamlining the production process and reducing errors.
7. **FlexScreen Run Order Scheduling:** Developed a SharePoint-based tool for viewing and tracking production runs, boosting transparency and communication.
8. **ERP System Testing and Implementation:** Participated in testing the Fenevision ERP upgrade, focusing on order entry, scheduling, releasing, and capacity management. Conducted tests in both development and live environments, ensuring a smooth transition and minimal disruption post-launch.
9. **System Recalibration:** Recalculated the entire scheduling system multiple times following IT modifications to ensure accuracy and alignment with operational goals. This ensured seamless production planning and minimal disruption after system updates.
10. **Production Hand Off Meeting Facilitation:** Host the daily 2:30 PM Production Hand Off meeting, providing a comprehensive recap of production status and leading discussions on hurdles and solutions. This ongoing effort fosters cross-departmental alignment and proactive problem-solving.
11. **Back Order Report Creation:** Developed an Excel-based report for real-time backorder updates, aiding inventory control.

Group Leader – Material Handling, NewSouth Window Solutions, Tampa, FL
December 2019 – October 2021

- **Operations Oversight:** Led material handling operations, ensuring adherence to procedures and safety protocols.
- **Process Improvement:** Implemented process improvements with team leaders, enhancing efficiency and reducing costs.
- **Inventory Management:** Managed material flow to support production schedules and maintain optimal inventory.

Achievements & Innovations:

1. **Swim Lane System Implementation:** *Introduced a swim lane system to enhance communication and process visibility in the glass handling department. Yellow lanes for validation, Blue for work-in-progress staging, and Green for finalized carts, each tailored to specific production lines. The swim lane system has since evolved with system support to track glass and rack movements digitally*
2. **Color-Coded Rack System:** *Developed a color-coded paper system to quickly associate glass racks with production lines, streamlining process management for team members and leadership.*

3. **Department Naming:** *Coined the name “Glass House” for the department, which remains in use today.*
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Education

- **Master of Information Systems Management**, Keller Graduate School of Management, Tampa, FL | June 2013
 - **Bachelor of Science in Management**, University of Phoenix, Tampa, FL | May 2010
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Certifications and Licenses

- **Certified Applied Data Scientist**, 16 CEUs, MIT Professional Education | 2023
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Skills

- **Technical Skills:** Python, SQL, Excel Power Query, Microsoft Power BI
 - **Data Analysis & Machine Learning:** Predictive Modeling, Feature Engineering, Data Visualization (Matplotlib, Seaborn, Plotly), Classification, Clustering, Regression Analysis, Random Forests
 - **Project Management:** Process Optimization, Cross-Functional Collaboration, Capacity Planning, Release Management, Inventory Management
 - **Problem-Solving & Innovation:** Workflow Automation, Data Integration, Process Automation
 - **Soft Skills:** Leadership, Team Management, Communication, Strategic Planning, Mentorship
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Projects and Achievements

- **MIT Capstone Project – Practical Data Science/Classification:** Built an AI model to predict loan default risk and provide feature recommendations. Applied Exploratory Data Analysis, Classification, Logistic Regression, Decision Trees, and Random Forests to develop a predictive solution.