# Jevaughn Octable

Industrial Engineer | Operations & Continuous Improvement
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Engineering Portfolio: https://www.jevaughnoctable.com

## Professional Summary

Industrial engineer and operations leader with 5+ years in high-volume manufacturing. Led a 30+ person, three-shift team and drove Lean and root cause improvements that raised throughput 20%, cut waste 10%, and reduced downtime about 30%. Brings process improvement, production planning, supply chain analytics, and data analysis in Python and SQL.

## Education

**University of Wisconsin–Madison** | Master of Science in Industrial Engineering, GPA: 3.93 — Expected December 2026
**Caribbean Maritime University** | Bachelor of Engineering in Industrial Systems, GPA: 3.4 — November 2021

## Experience

**Grader, ISyE 315: Production Planning & Control** | UW–Madison — September 2026 – December 2026
- Grade work for 65 students on forecasting, MRP, capacity, Lean, Six Sigma, and SPC with consistent, on-time feedback.
- Coach students one-on-one on lead time, cycle time, and process capability, helping them apply each method on their own.
- Resolve regrades with clear written explanations of calculations and assumptions, keeping grading fair and transparent.

**Graduate Researcher, Ceramic Additive Manufacturing** | UW–Madison — January 2026 – Present
- Develop 3D printing and sintering processes for ceramic heat shields, running DOE on settings to improve part quality.
- Built Python tools to process 10,000+ thermal images and data points, cutting manual data processing time about 80%.
- Model parts in SolidWorks and generate G-code, speeding prototyping about 30%; mentor undergraduate researchers.

**Production Supervisor** | Caribbean Broilers Group, Kingston, Jamaica — April 2023 – August 2025
- Led a 30+ person, three-shift team in a 45-ton/day rendering plant, hiring and cross-training staff to keep every shift covered.
- Analyzed capacity, material flow, and layout data and led Lean projects that raised throughput 20% and cut waste 10%.
- Planned shifts around incoming volume from a 100,000+ bird/day processing plant and coordinated preventive maintenance and work orders with maintenance, keeping production on schedule.
- Led containment and root cause analysis (5 Whys, fishbone) on off-spec batches and customer complaints, and enforced lockout/tagout, confined space, HACCP, and GMP standards to protect safety and quality.

**Control Room Operator** | Newport Mills Ltd (Feed Mill), Jamaica — January 2022 – March 2023
- Ran automated production in a 1,000-ton/day feed mill through SCADA/HMI, verifying batch weights to formula.
- Tracked silo, bin, and ingredient inventory in SAP, catching deviations early to support production planning.
- Led cross-functional root cause investigations with production, maintenance, and quality, cutting downtime about 30%.

**Engineer Intern** | Newport Mills Ltd (Feed Mill), Jamaica — July 2021 – December 2021
- Built preventive maintenance plans and reliability analysis for mill equipment, contributing to a 20% reduction in downtime.
- Supported installation and startup of a new corn milling line, troubleshooting equipment during commissioning.
- Performed time studies, process flow mapping, and safety risk assessments, and presented findings and SOPs to management.

## Projects

**Capacity Expansion & Commissioning** | Caribbean Broilers Group — 2021 – 2025
- Defined capacity needs, coordinated RFQs, and supported commissioning of a new milling line and rendering plant upgrade.
- Built ROI and NPV analyses that added in-house capacity and eliminated about JMD 20M in outsourcing costs.

**Demand Forecasting & Inventory** | Newport Mills Ltd — 2022 – 2023
- Built a Holt-Winters forecast of raw material demand to guide production planning, cutting lead time about 25%.
- Set safety stock with an (R, Q) model and designed cross-docking, raising service level from 75% to 95%.

**Facility Layout & Capacity Planning: Tomahawk Metals** | University of Wisconsin–Madison — 2025
- Designed a cellular layout for an 80,000 $ft^2$ plant with Systematic Layout Planning, cutting material flow cost about 20%.
- Forecast 10-year capacity needs at 15–30% annual growth and recommended a phased expansion backed by NPV analysis.

## Skills

**Engineering & Operations:** Team Leadership (30+), Process Development, Capacity Planning, Facility Layout, Preventive Maintenance, Commissioning, SOPs, Root Cause Analysis, SPC, FMEA, DOE, HACCP, GMP, Lockout/Tagout
**Lean Manufacturing & Supply Chain:** Lean, Six Sigma (DMAIC), Kaizen, 5S, Value Stream Mapping, OEE, Standard Work, Time Studies, Production Scheduling, MRP, Demand Forecasting, Inventory Management, Safety Stock, Cross-Docking
**Tools & Analytical Skills:** Python, SQL, R, Excel, SAP, SCADA/HMI, SolidWorks, Arena Simulation, MPX, Smartsheet, MS Project, Machine Learning, Statistical Analysis, Forecasting Models, ROI & NPV Analysis