

Mohammed Farouk Olokodano

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WORK EXPERIENCE

CALICO COTTAGE (Fudge Manufacturing Company)

Amityville, NY

Mechanical Engineer/Maintenance Supervisor

December 2024 – Current

- Supervised a team of mechanics and coordinated daily maintenance activities across mechanical, pneumatic, and electrical equipment.
- Managed and prioritized all maintenance work orders through Limble CMMS, ensuring accurate documentation and efficient task flow.
- Led lean improvement projects, including evaluating and sourcing more efficient equipment and collaborating with vendors on custom production solutions.
- Built KPI dashboards in Airtable to monitor equipment performance, maintenance response time, and production incidents.
- Developed an automated communication system using wireless call buttons that instantly generate and assign work orders in Limble CMMS, reducing reporting delays and improving response time.
- Reduced machine downtime by 30% by implementing data-driven CAPAs within Limble CMMS, improving root-cause identification and corrective action follow-through.

COMCO PLASTICS (Plastics Manufacturing Company)

Huntington Station, NY

Manufacturing Engineer

Full Time: November 2023 – December 2024

Part Time: December 2024–Current

- Utilized MasterCAM to design toolpaths and optimize machining strategies for diverse plastic parts (e.g., PEEK, Delrin, Carbon Fiber, Teflon).
- Developed and programmed CMM measuring plans for First Article Inspection, creating fixtures to enhance quality control in line with ISO 9001 and ISO 13485 standards.
- Implemented Lean Six Sigma strategies, including the creation of a tooling management system using Excel to optimize workflow efficiency.
- Managed the quoting process for new jobs, approximating which operations would need to be best suited for manufacture, and overseeing their implementation throughout production.
- Led weekly meetings for new part realization, providing details on incoming new parts and discussing the status of their current production stage.
- Tracked calibration of measuring gages through excel database and performed in-house calibration procedures using calibration equipment such as a Coordinate Measuring Machine (CMM) with Zeiss Calypso Software.

TE CONNECTIVITY (Electric Connector Manufacturing Company)

Hauppauge, NY

Engineering Technician

January 2023 – November 2023

- Collaborated with the engineering team to design and validate new fixtures, resulting in a 20% increase in production efficiency.
- Performed tests, maintenance, and repairs on pneumatic assembly fixture systems.
- Carried out production activities, such as cutting and shaping metal to precise measurements and working alongside engineers directly to understand the function of a part assemblies, using blueprints, process sheets, and sketches.

OERLIKON METCO (Thermal Spray Coating Manufacturing Branch)

Westbury, NY

CNC Machinist B

August 2021–August 2022

- Set up Mazatrol CNC Swiss-style turning machines, particularly the Mazak Quick Turn Nexus 250-II MY and performed assembly activities utilizing available fixtures to achieve precise tolerances, particularly ranging from ± 0.001 " to ± 0.0001 ". Set up procedures would range between 1-1.5 hours.
- Set offsets and made required adjustments to ensure adherence to high tolerance and dimensions which moderately resulted in high precision pieces.
- Carried out tasks including assembling, wiring, and testing. Cutting, manual and semi-automatic insertion, stripping, tying wires, and connecting components to modules or sub-assemblies

EDUCATION

FARMINGDALE STATE COLLEGE

Bachelor of Science

Major in Mechanical Engineering Technology
Cumulative GPA: 3.15/4.0; Dean's List 2021-2022

Farmingdale, New York
May 2022

Relevant Coursework: Technical Drawing & CAD and Solid Modeling, Advanced Manufacturing Processes, Quality Control (Metrology), Statics, Comp Aided Manufacturing (CAM), Machine and Product Design, CNC Machining, Jig and Fixture design, Applied Fluid Mechanics

MORRISVILLE STATE COLLEGE

Associate of Applied Science in Mechanical Engineering Technology

Morrisville, NY
May 2019

KEY PROJECTS

NEW PRODUCT REALIZATION - FUDGE KETTLE

Calico Cottage, December 2024 - November 2025

- Led a year-long new product realization effort for a new fudge kettle from design through production release, including sourcing and integrating outsourced components.
- Planned and conducted mechanical and electrical prototype testing to verify performance and stability. .
- Led the UL certification effort to approval (Nov 2025).

TOOLING MANAGEMENT SYSTEM

Comco Plastics, January - March 2024

- Developed a tooling inventory system with Excel to monitor minimum and maximum stock levels of production tools.
- Implemented a color-coded visual management system for turning tools based on features like corner radius, coating, and insert angle.
- Achieved a 30% improvement in production efficiency through enhanced tracking and organization of tooling resources.

ADDITIONAL

Technical Skills: Mastercam, Zeiss Calypso, SolidWorks, AutoDesk Inventor, AutoCAD, V-Carve Pro, Manual Drafting, Excel (Power Pivot Data Modeling, Array Formula, Power Data Query Transformation),

Languages: English, Arabic (Literary)

Interests: Blacksmithing, Puppet Making, 3D Printing.