

Bobby W. Whitaker Jr.

2266 Piedmont Rd.

New Market, TN 37820

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Cell (865) 202-6696

www.bobbywhitaker.com

Education

2008-2013 *Tennessee Technological University, Cookeville TN* Graduation: May. 2013

Mechanical Engineering, Bachelors

Worked Full/Part-time while attending school to earn college expenses

Activities- Tenn. Tech. Amateur Radio Society (TTARS) President, callsign: W4BWW

Courses- Heat Transfer, Fluid Mechanics, Machine Design, Dynamics of Machinery, Mechanics of Materials, Thermodynamics I & II, Circuits I, Dynamic Modeling and Controls, Physics I & II, Chemistry I&II, Programming in C, Programming for Engineers, Energy Systems, Engineering Graphics, Statics, Dynamics, Mechatronics, Renewable Energy Sources, Applied Machine Design, CNC Machining

2005-2008 *Walters State Community College, Morristown TN*

Pre-Engineering (Prep. for TN Tech)

2012-2013 *Pellissippi State Community College, Knoxville TN*

CNC Certification

Computer Skills

AutoCAD Inventor, (Preferred) Solidworks, ProE, Matlab, Catia V5, Maple, C++, FORTRAN

77, Mac, Linux, Windows (3.1 to 10, Server

2012), Echolink, ALLDATA, Word, Excel, PowerPoint, Publisher, Outlook, Access, Open Office, and PSPP (Free Minitab)

Hard Skills

Soldering, Woodworking, Hot Air station, Welding (TIG MIG and Stick), Brazing, Heat Treatment, Milling, Lathing, Broaching, Grinding, Driving License (Can Obtain CDL), Panel Building, Electrical Wiring, building computer systems network design, 3D Printing, Laser Cutting, CNC Operation and Design, Oscilloscope, Communication RF analyzer, Sewing, Vacuum Chambers, Plotter repair, Power Tools, and others not listed

Experience

May 2020 – October 2020

Exedy America Corporation, Mascot, TN

Maintenance Tech

Maintenance Functions

Repair leaks

Clean Machines internals

Troubleshoot machine issues

May 2019 – March 2020 (10 months)

Toyota Motor Manufacturing (TMMAL), Huntsville, AL

Process Engineer Specialists (Contract Engineer)

Line Support of all types troubleshooting

Maintain the 10 Toyota attitudes

3D print designed tooling

Coordinate line improvements thought team various meetings

Maintain specialists communication board

July 2018 – February 2019 (8 months)

Snap-On Tools, Elizabethton, TN

Automation-Manufacturing Engineer (Contract Engineer)

Capital Project Management of previous started project, in which I finished the build of new assembly line, which won Snap-On's "RCI" global event of internal competition of improvements.

Support, Design, and Diagnostic Functions of Automation Machines, mostly Assembly dept.

Design, Create, Implement improvements and updates

6S, and KPI, Provide constant technical expertise

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April 2017 – February 2018 (10 month)

Airxcel Suburban, Dayton, TN
Engineer (Contract Engineer)

Capital Project Management, New Seyi 330-ton Press Install, Create various “CAPEX’s”
Design, Create, Implement, Pressure Decay Leak Test Machine
Start a AOP budget plan for next year
Maintain Union Labor Rates, introduce 6S, Kata, 3P, and KPI and many other lean activities
Provide constant technical expertise in hand-off to new vice president operations
Customers most any RV Mfg. on the market (Jayco, Airstream, Winnebago, Fleetwood, other)
Products Ranges (Stove), Furnace, Water-heaters for RVs

July 2014 – September 2016 (>2yrs)

Tuff Torq Corporation, Morristown, TN
Production Engineer

Designed, Ordered, Supervised, Installed, and Modified line fixtures
Consulted with different vendors and obtained quotes, parts, machines, labor rates
Maintained 3S and used the JIS and US Standards
Assisted in Teams in various NEW products on assembly lines
customers (John Deere, MTD, Husqvarna, Cub Cadet, Yamaha, Yanmar, others)
Supported Manufacturing and Maintenance in troubleshooting, safety-environmental hazards
Controls Programming, CNC/Robotic/PLC, Electrical (Fanuc, Omron, etc.)
Tooling and Gage, Welding and Grinding, Lab Analysis Techniques, Measurement, and data collection, use of Infor
Mapics (IBM), Lead Indusoft Project in line Data Capture (OEE, Downtime, Lot Tracking, etc.)
Complete "Line" Network Design, SME- Member

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Sept 2013 – Feb 2014 (6 month)

WS Packaging, Knoxville, TN
Engineer, Temporary Contract

Designed, Ordered, Overseen, Installed, and Build Modifications
Data Collection and Analysis, using software Label Traxx, Masterlink, SQL reports
Supervisory role of projects, that are created from the data collected
Create CAPEX for machine purchases, then insure install process after approval
Assisted Vice President Operations towards new plant design and program with EBITA goals in kaizen
Participate in various other Kaizen/Lean Manufacturing teams and make the desired outcomes realities
Used the "Impact" Business Model, Six Sigma

May 2011- July 2013 (>2yrs)

Exedy America Corporation, Mascot, TN
Engineering Intern

Designed, Ordered, Overseen, Installed, and Build Line Modifications
Used vendors and obtained quotes, parts, machines, labor rates
Filled in for Maintenance Supervisor Position, overseen 8 Maintenance personnel as needed
Maintained 5S-5T Standards, Assisted Engineers to rebuild old line to run new product while customers (Ford, GM, Chrysler, Nissan, Toyota) watched for quality and analyzed capabilities
Created and helped to maintain Quality/MFG. Document Changes (DCR) (MQC, Check-sheets, Work Instructions, Line Deviations, Tool Charts, Machine and Part Drawings, etc.)
Worked in "TEAMS" to think/discuss best solutions for various improvements
Supported Manufacturing for troubleshooting issues of machinery
Responsible for analyzing all systems for safety and environmental hazards
Consulted with many different engineers and various departments (internal/external) for required approvals
CNC/Robotic/PLC Controls/Power (Fanuc, Moto-man, Mitsubishi, etc.)
Designed an Engineering Document Management System in Windows Active Directory
Tooling and Gage, Welding and Grinding, Lab Analysis Techniques, Measurement, and data collection, Installed Electronic sensors of many types