1. Andy Wrosch

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**CERTIFICATE/SKILLS**

* FANUC Robotics iRVision Setup & Operations-2D Certificate of Completion
* FANUC Robotics V-iRVision Operation and Programming – 3DL
* FANUC Robotics Electrical Maintenance Certificate of Completion
* FANUC Robotics Handling Tool Application Programming Certificate of Completion
* Allen-Bradley Studio 5000 Logix Designer Level 1: ControlLogix Fundamentals and Troubleshooting
* NTT Fundamentals of Programmable Logic Controllers
* Gosiger Inc. Okuma P-200 control certificate
* Gosiger Inc. Okuma Mechanical Maintenance certificate
* Communicative Supervisor Certificate of Achievement

**EDUCATION**

Fall 1999 - 2005

Pittsburg State University Pittsburg, KS

Bachelor of Science in Technology Management

Member American Foundry Society and Society of Manufacturing Engineers

**PROFILE**

Adetail-driven engineer/manager withnine plus years of hands on CNC mill, lathe and robotic experience. Trusted leaderwhom has a consistent track record of achievement and successful completion of engineering tasks, team building, and project goals. Highly skilled in leadership, problem identification, troubleshooting, and visionary solutions to complex challenges and a constant commitment to quality.

**EMPLOYMENT**

***SRG Global*** Portageville, MO

-*Automation manager* March 2013-Present

1. Established and implemented automated paint process for the launch of the 2014 Nissan Rogue
2. Administered $2.5M upgrade of automated paint process to better meet future business opportunities
3. Active participant in Paint Best Practices team and identified opportunities to adopt technologies/practices that resulted from Best Practice meetings
4. Worked with automation suppliers to develop best in class automation practices and standards
5. Coordinated with Three Rivers Community College in the development of customized training curriculum to meet the current and future automation support needs of SRG Global
6. Appraised employee performance and provided feedback as needed; assisted in resolving conflicts and held employees accountable as needed
7. Directed daily Automation support meetings; assigned and allocated resources to ensure employees are on point for the most effective, productive, and time critical actions
8. Led communications with superiors and subordinates through the lifecycle of automation projects
9. Developed a standardized programming style for Assembly/Molding robots

-*Lean Engineer*  Oct 2012-March 2013

* Collaborated with Engineering and Supply Chain to drive the Pull SystemInitiativein to high volume environment to identify andmanage Constraints within plant infrastructure to drive sound business decisions
* Lead design engineer of project to combine existing assembly processes to one space saving cell
* Retrofitted and standardizedexisting/obsolete HMI/PLC’s to modern Allen Bradley technologies
* Incorporated Quick change of EOAT plant wide to reduce time associated with changeovers
* Developed Visual Controls to support Production management
* Utilized FANUC vision system to eliminate defects from molding processes
* Repaired, programmed, and developed a manufacturing process on Bridgeport EZ Path CNC lathe

***Scroll Compressors L.L.C****. Ava, MO*

-*Manufacturing Engineer* December 2010-Oct 2012

1. Developed and implemented 2-D robotics vision/error proofing processes
2. Coordinated the development of new Automated CNC/Robotic manufacturing processes
3. Communicated effectively with all levels of managementinthe progress of robotic vision development
4. Designed, manufactured, and installed customrobotEOAT to decrease process cycle time
5. Identified bottlenecks and optimized product flow by utilizing Value Stream Mapping
6. Utilized A3 process to identify problems in order to meet plant Total Productive Maintenance goals
7. Incorporated Root Cause Analysis to eliminate defects during the machining process
8. Standardized robot grippers across multiple processes to reduce tooling and inventory costs
9. Performed Time/Motion studies to eliminate redundant/excessive motion by robots, lathes, and mills

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-Senior Production Engineer May 2007-2010

* Supervised Engineering personnel
* Utilized statistical analysis to improve process capabilities and eliminate defects
* Implemented Poke Yoke across multiple platforms to reduce/eliminate customer returns
* Performed daily audits to ensure compliance with all quality procedures and practices
* Developed single cycle change over for Automated turning processes
* Researched and developed G and M code which reduced machine cycle time, increased process stability and significantly reduced machine downtime while increasing through put
* Utilized process knowledge to modify mill programs to work in conjunction with tool break detection and eliminate specific customer returns

-Production Engineer May 2005-2007

* Ultra-Tech and Therm-O-Disc machining Process owner
* Performed daily troubleshooting and maintenance on CNC Lathes/Mills and FANUC robots
* Supported daily production and quality goals in high volume lean manufacturing facility
* Trained and developedhourly team members on best practices for operation/support of CNC lathes/mills
* Developed 5-axis mill fixture which streamlined the set up procedure and increased machine up time
* Created set up and change over work instructions which reduced hourly team member confusion and eliminated unnecessary scrap
* Developed existing mill programs to allow greater process flexibility and eliminate down timeassociated with the change over process

***General Motors Saginaw Metal Casting Operations (SMCO)***  *Saginaw, MI*.

-*2 Summer Internships* Summer 2003- 2004

* + - Quality Liaison to internal and external customers
* Developed Excel spreadsheets and charts to track Production and Quality processes
* Ensured ISO 9000 compliance
* Supervised and evaluated automated heat treat process
* Performed daily audits to ensure compliance with all quality procedures and practices

***United States Navy***  *Sicily/Mayport FL*.

-*Aviation Machinist Mate* 3rd class May 1993- July 1997

* + - Excelled at all areas associated with being a professional Sailor
* Performed Quality audits on Turbo shaft engines and other associated sub-systems
* Held both I and O level maintenance NEC’s for MH-53,CH-46,MH-60,UH-1 Turbo shaft engines and Dynamic components
* Supervised and evaluated operations of Auxiliary Power Unit test cell