CHARLES "RYAN" LEDFORD
Manufacturing Engineer

Objective Statement:

An interdisciplinary manufacturing engineer with over ten years of professional experience delivering robust solutions to multiple internationally recognized companies. Highly motivated and skilled in the modern fast paced team environment. Seeking a manufacturing, process, or quality engineering position to expand my career scope and deliver exceptional performance.

Experience:

May 2022 - Present

Industrialization Engineer for New Product Development

Columbus McKinnon, Charlotte, NC

- Developed global NPD Standard Operating Procedure & Process Flows
- Responsible Industrialization Engineer for multiple product lines
- Designed process flows for NPD as well as improved legacy processes
- Acted as an ME for existing facilities and process improvements
- Designed hardware/software systems for NPD and operations

Jan. 2019 - May 2022

Senior New Product Implementation Engineer

3D Systems & Sanmina, Rock Hill, SC

- Implemented and designed production processes for new products
- Established new product BOMs and part certifications
- Transferred existing product lines from other facilities on-site
- Organized quality benchmarks and implemented solutions for defects
- Developed interdepartmental software to automate tasks and collect data
- Introduced and built fixtures/Jigs for assembly lines
- Formalized and maintained work instructions for product lines
- Facilitated interdepartmental teams for common goals

May 2013 - Jan. 2019

Manufacturing Engineer (Assembly & Fabrication)

Altec, Burnsville, NC

- Orchestrated engineering activities for assembly and fabrication departments
- Qualified product designs for manufacturability
- Supervised and participated in dozens of Kaizen events
- Designed and built manufacturing support equipment
- Developed database information technology to support manufacturing
- Primary software developer for assembly and fabrication departments
- Integrated new manufacturing floor layouts for a large plant expansion
- Maintained and balanced takt times in assembly/fabrication areas
- Measured and continuously improved quality metrics via process changes
- Created interfaces for embedded software/hardware solutions
- Trained technicians on standard operating procedures
- A primary architect of the ETHOS development team

Aug. 2012 - May 2013

Maps Coach / Teacher Assistant

University of North Carolina at Charlotte, Charlotte, NC

- Counseled students during college transition on campus resources
- Assisted in classroom activities such as grading and course work

Personal Information

Location:
Charlotte, NC, 28215

Phone:
(704) 223-8634

Email:
Cledfo11@gmail.com

Website:
CharlesRyanLedford.com

Core Competencies

- Lean Manufacturing
- Quality Assurance
- 3D & CAD Software
- DFM
- Process Flow
- DMAIC
- Root Cause Analysis
- Project Management
- Operations
- 5S
- Resource Allocation
- Cost Savings
- Team Communication
- Kaizen Projects
- Software Programming
- Database Management
- Mechatronics
- SQL
- Visual Basic
- C++
- Microsoft Office

Education

Systems Engineering
University of NC at Charlotte
Charlotte, NC
Aug. 2009 – May 2013

Welding Certification
Mayland Community College
Burnsville, NC
2013