

# Robert Laverentz

CNC Programmer, Machinist, Manufacturing Engineer/Design

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## Summary

MFG/Engineer: Plan Part Process, Design, Program, build Fixtures for part Manufacture. Program, setup part for production. Utilize optimal tooling. Inprocess inspection Check. Gage selection. Continual process improvement. Reduce Costs. Reduce cycle time. And finally, “Make Quality parts”

## Experience

### **Advanced Machining**

#### **Longmont, CO.**

June 2015 - Present

Mastercam Programming, setup Multi-axis Lathes (DMG-Mori NLX 2500-700) Setup jobs for lights out Production. Prototype Machining. Close tolerance machining, including Aerospace and Medical. This position requires constant improvements to setups, reduce cycle time, and improve part quality. Work with Venders to improve tooling and reduce cost.

### **MultiSource Manufacturing LLC**

#### **Layfayette, CO.**

August 2011 – May 2015

Mastercam Programming, Solidworks for Part and fixture design, setup and operate Machining Centers, Multi-axis Lathes. Update Tooling, Improve cycle times and fixture's to be user friendly.

## **Machining Technology**

### **Longmont, Co**

June 2010 – August 2011

Responsible for manufacturing parts from start to finish. Utilized both Machining Centers, and Multi-axis Lathes for manufacturing. Mastercam for Programming parts, Solidworks for designing part fixturing. From one off Prototype Machining, as well as

production.

## **GSC Foundries**

### **Ogdon, Utah**

July 2009 – May 2010

This was mainly a programming position. Lathes and Machining centers. Using Mastercam x5, design fixtures, worked with Venders to implement new tool technology.

## **Longmont Machining.**

### **Longmont Co.**

October 2004 – July 2009

Program and Design parts fixtures for multi-pallet machines, My duties included setup machines for production, Program and setup Brown and Sharpe CMM for production inspection. Metrology, Gage R&R, Automotive quality control.

## **2 Recommendations**

### **Dave Wickelhaus**

#### **Machining Systems Engineer at TechSolve**

Robert is a meticulous engineering professional, an excellent machinist and CNC programmer. Robert developed a machining and metrology process, for a thin walled magnesium housing for us having very tight tolerances. This required a very creative fixture design combined with a complicated CNC program, which permitted the complete part to be machined in one setup. I highly recommend Robert to anyone looking for a highly motivated, energetic manufacturing engineer.

### **Robert Klos**

#### **Process / Machining Engineer at GSC Foundries**

Robert is an accomplished Manufacturing Engineer who I had the pleasure of working with. Paying high attention to detail and tight tolerance Robert was able to lead a highly successful team of machinist and operators in the most productive machining cell at Longmont machining. I've also had the opportunity to have dealings with Robert outside of work and can attest to the fact that he is well respected in the community.

## **Manes Machine & Engineering**

### **Ft. Collins. Co.**

2000 – 2005 (5 years)

Manager, Machinist/Programmer, Mastercam V9, UG II. Position included setup and running production on Mazak, Makino machining centers. Multi-axis lathes. Parts included Mostly Aerospace Boeing parts. Missile defense System. This shop was also known as Colorado Custom, Made Custom Wheels, and Motorcycle parts.

### **Precision Machined Products**

#### **Ft. Collins. Co.**

May 1995 – October 2000 (5 years 6 months)

Setup, Run production

### **Peerless Pump Company**

#### **Ca.**

August 1990 – August 1994 (4 years 1 month)

Programmer, CNC Lathes, Mills, Automation, Robotic, Compact II

### **TRW space & Defense Sector**

#### **Ca.**

February 1990 – July 1990 (6 months)

Programmer, Apt

### **Parker Hannifin**

#### **Ca.**

March 1989 – February 1990 (1 year)

CNC Programmer, CNC Lathes, Mills, Compact II

### **American Metal Bearing Co.**

#### **Ca.**

November 1986 – March 1989 (2 years 5 months)

Setup CNC Lathes, Program, Manage personal

### **Kobe, Inc Division of Trico Industries**

#### **Ca.**

September 1983 – October 1986 (3 years 2 months)

Program, setup, CNC Lathes, Vertical mills, CNC Grinder. □ Compact II language

### **Education:**

Oklahoma State Tech 1980-1983  
Associate Degree GPA 3.93

References:

Work/Personal

Dave Butler  
Home) 970-568-0151  
Cell) 970-420-7685

Adam Baker  
Work/Cell) 720-231-9219

John Martin  
Work/Cell) 720-552-3341