Kimberly Morehead
Quality Assurance

Colorado Springs, CO 80916

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• Over fifteen years experience programming multidimensional computer driven machines in the metal fabrication industry, cutting machines as well as verification machines.

• Detail-oriented, with excellent problem solving skills, dedicated to job performance with the ability to work independently on projects. Easy going personality, dedicated to positive outcomes, while trying to elevate others around me. Goal orientated without being obsessed, I help others maintain their focus.

• Four years experience as a manager in a quality department for a metal fabrication facility, during which I maintained a 98% or higher rate for on-time deliveries and acceptable thru-put yields.
Authorized to work in the US for any employer

WORK EXPERIENCE

Quality Control Technician
Thin Metal Part   -   Colorado Springs, CO   -   May 2012 to October 2015

Responsibilities
• Review customer prints for production and R&D products, identifying GD&T as well as regular requirements clarifying actual tolerances for each step of fabrication.
• Programmed to verified electro-formed and etched product with programmable optical CMM
• Building Excel spreadsheets for statistical data analysis.

Accomplishments
• Helped other coworkers learn print interpretation containing Geometrical Dimensional Tolerances.

Skills Used
• Advanced blueprint interpretation, explaining actual tolerances per axis for print dimensions called out using GD&T to coworkers.
• CMM programing for mechanical parts from all styles of prints. Tailoring output to reflect exact print call-outs.
• Imported text data into Excel spreadsheets making is easier to analyze.

Quality Assurance Manager / Quality Inspector
Magnum Manufacturing Center   -   Colorado Springs, CO   -   November 1994 to May 2010

• Developed CMM multidimensional programs to verify mechanical parts.
• Assisted engineers and quality inspectors on print interpretation and quality requirements.
• Designed documents to support QC department using MS Word and Excel and MasterCAM.
• Supervised and trained quality inspectors on specific methods and equipment use for mechanical verification.
• Assisted machinist in understanding print requirements and their relationship to optimization of the machine programs.

Prototype Machinist
Texas Instruments   -   Colorado Springs, CO   -   July 1979 to March 1993

• Three years of multi-dimensional programming and methodizing processes using CNC lathes and CNC mills. Completing all projects autonomously.
• Designed holding devices and special form cutting tools and fabricated them.
• Three years trouble shooting mechanical setups of multidimensional CNC machines and optimizing existing programs.

EDUCATION

BS in Computer Science
Colorado Technical University   -   Colorado Springs, CO
2000 to 2004

AAS in Machine Technology
Pikes Peak Community College   -   Colorado Springs, CO
January 1979 to January 1981

SKILLS

Program, set-up, and run CNC milling machines, lathes, and coordinate verification machines. Proficient in Microsoft Office (Word, Excel, PowerPoint, Access, and Project), MuPAD, CAD Key, MasterCAM, AutoCAD, UNIX, and Rational Rose. (10+ years)

ADDITIONAL INFORMATION

COMPUTER LANGUAGES / OPERATING SYSTEMS:
C/C++ (MFC, STL, Open GL)
Java
Perl
HTML
XHTML
Pascal
FORTRAN
Windows (98, 2000, XP)
UNIX

CERTIFICATES:
C++ Programming
Client Java Programming
UNIX Programming
Object-Oriented Methods
Software Engineering Process
Professional Communications