

Joshua Hopkins

Machine Shop Manager

Loveland, CO 80537

joshuahopkins687_8tz@indeedemail.com - 970-888-4545

Authorized to work in the US for any employer

WORK EXPERIENCE

Machine Shop Manager

WP Manufacturing - Longmont, CO - 2014-07 - 2016-12

Duties include: Organizing and scheduling machine shop workload through the 5 machines. Shop has 4 mills, a lathe and a Swiss CNC Screw machine. I ordered tooling for the machines, programmed 3, (3 axis) mills 2 Haas' and a Bridgeport mill and 1, (5 axis) Haas mill, programmed the Okuma lathe and (8 axis) Swiss screw machine using Mastercam and manual programming techniques, had 1 employee working for me.

CNC Programmer

Marks Precision Machining LLC - Fort Collins, CO - 2012-11 - 2014-07

Duties include: Programming all CNC machines for this company, which consists of 2 CNC lathes and 2 CNC mills. I also set up the machines, trained the employees, quoted jobs, developed processes, design and make fixtures. Types of materials we machined: 1045, 4140, S7, 316, 304, 303, 17-4 ph, 1018, 1045, 6061, 360 brass, delrin, UHMW, Teflon, ABS, 430F, copper, phenolic resins. We produce small parts orders in a job shop environment.

CNC Machinist / Programmer

Specialty Products Company - Longmont, CO - 2011-11 - 2012-10

Duties: Program, set up and operate a Mori- Seiki NTX2000, 9 axis, mill turn, also a Mori Seiki NZ2000, 12 axis, lathe with 3 turrets, sub spindle and live tooling to manufacture parts for wind turbine generators for our largest customer, using Mastercam X6 to generate NC programs. Ordered the tooling for jobs and trained employees to run and maintain the processes. I developed the manufacturing processes for large part orders on multi- axes machines. Machines were capable of completing very complex parts in a single operation. Types of materials we machined: 4140, 316, 304, 17-4 ph, 1018, 6061, hastelloy, kovar, titanium.

CNC Machinist / Programmer

Marks Precision Machining LLC - Fort Collins, CO - 2010-09 - 2011-11

Duties: Program, set up and operate a Chevalier and Ameri-seiki CNC lathe and a prototrack mill. Ordered tooling, wrote the programs for the lathes and mills. We produce small part orders for Anheuser Busch and Woodward Governor and various other local businesses in a job shop type environment. . Types of materials we machined: 1045, 4140, S7, 316, 304, 303, 17-4 ph, 1018, 1045, 6061, 360 brass, delrin, UHMW, Teflon, ABS, 430F, copper, kovar.

CNC Programmer

Mountainside Medical - Boulder, CO - 2007-02 - 2009-04

Duties: Programming all the CNC Swiss Machines and the Lathes, set up and operated, 4 Citizen, L20-V, 9 axes, Swiss, CNC screw machines. Machine shop does production machining of large part orders (100,000 piece orders). I developed the processes for my employer to run the machines in a continuous, unattended, lights out operation. Planned out the jobs, ordered the tooling needed to run the machines, and wrote CNC

programs for the machines. Types of materials we machined are: Titanium, 430F, 316, 304, 302, brass 360, Molybdenum, Waspaloy, Chromium, Nickel, Chromium.

CNC Machinist / Programmer

Intrex Global Solutions - Louisville, CO - 2004-12 - 2006-12

Duties: Program, set up and operated, ten, Tsugami BS-18, BS-20, Swiss style, CNC screw machines. Making parts for the medical and automotive industry. Trained the employees to run the processes I developed, as well as inspecting the parts. I performed maintenance on the machines as well as machine alignments when necessary. Types of materials we machined are: Titanium, 303, 304, 17-4 ph, 316, 430F, brass 360, Molybdenum, Nickel.

CNC Machinist / Programmer

Gyford Productions LLC - Reno, NV - 2003-12 - 2004-09

Duties: Program, set up and operated, 3 KIA, CNC lathes with sub-spindles and (vertical and horizontal) live tooling. Programmed parts with Mastercam V8.1, as well as manual editing. I also incorporated the milling function (C-axis) of the machines to process the parts in one operation (eliminating secondary milling operations). Making parts for trade show display cabinets. I automated these processes to run unattended at night with the aid of conveyor belts and rotary tables for part collection. Types of materials we machined are: 6061, 304, 17-4 ph, 360 brass.

CNC Machinist / Programmer

MRC Precision Metal Optics - Sarasota, FL - 2001-07 - 2002-05

Duties: Program, set up and operated a Fadal 4020 CNC mill and a Hass SL-130 lathe. Programming the machines using Mastercam V9, in union with Pro-engineering, (solid, surface and wire models) to make the guidance mirrors for the Mars rover space ship, the mirrors for the Hubble telescope for Jet Propulsion Laboratories and for military defense guidance systems for Lockheed. Trained the employees to run the processes and inspect the parts coming off of the machines. Types of materials we machined are: Beryllium, 6061, 304, titanium, SXA, 7075, 4140.

CNC Machinist / Programmer

Sierra Swiss and Machine - Grass Valley, CA - 1998-03 - 2001-04

Duties: Program, set up and operated Citizen, L20-V, L16 and B12, Swiss style, CNC screw machines. Wrote programs for the machines, trained employees, ordered tooling for upcoming jobs. We produced parts for the medical and food processing industries. I developed the processes to run 24 hours a day (lights out operation) as the company was a single shift operation. Types of materials we machined are: Beryllium copper, 6061, 304, titanium, 7075, inconel, 316, 303, 17-4 ph.

CNC Machinist / Supervisor

Parker Hannifin - Eugene, OR - 1994-03 - 1998-03

Duties: I worked in several positions in this company. Began as a CNC lathe operator, operating Okuma, single and twin turret machines, producing a wide variety of parts for custom hydraulic cylinders. Started on small parts machines and worked up to the large steel machines, making parts that weighed 30,000 lbs. After 1 ½ years of this I was promoted to second shift, work group leader. Ran second shift for a little more than two years; supervised 30 people in five departments. Was then promoted to day shift, CNC, work group leader and was charged with scheduling the parts orders through 10, Okuma lathes and 2, Okuma mills.

CNC Mill, Lathe and Grinder operator

Sundstrand Aerospace - Grand Junction, CO - 1991-08 - 1993-08

Duties: Set-up and operated and edited programs on a Leblond Makino, CNC mill, also Okuma CNC lathes, Hahn and Kolb CNC double disc grinder, Blanchard surface grinder, continuous lapping machines, drill presses, manual lathes, broach machines and Sunnen hones. We manufactured high pressure, G-rotor, lubrication pumps and impellor driven fuel pumps for military and commercial aircraft. Worked in work cells and continuous flow manufacturing concepts. Received training in geometric tolerance and dimensioning, statistical process control, quality assurance inspection methods, ANSI Y14.5 and self directed work teams.

Gear Machinist

Talley Corporation - Newbury Park, CA - 1984-09 - 1987-10

Duties: Set-up and operated conventional gear hob machines, shaper machines, bevel machines and operated an American broach machine. We manufactured spline, spur, helical and bevel gears for military and commercial aircraft. Began as an apprentice and worked my way up to a class "A" gear machinist in 3 years.