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## Objective

Seeking a suitable position in a precision machine shop, providing opportunities for professional growth and advancement, where I can utilize my education, experience and acquired skills.

## Skills and Qualifications

- Knowledgeable and experienced with machine shop tools and machines, including mills, lathes, band saws, punch presses, and other machines.
- Programming using Mastercam software and conversational controllers.
- Familiar with precision measuring tools including calipers, micrometers, dial test indicators, height and depth gauges, and more.
- PC proficiency in Windows-based applications and internet skills including Microsoft Word, Microsoft Excel and PowerPoint
- Strong mathematical skills and excellent mechanical aptitude
- Profound personal management skills including punctuality, well organization, rapid learner, logical thinking, precision, attention to detail, and the ability to work on several projects at once.

## Background and Experience

**Mill Lead/Machinist*, Semp and sons* September 2020-Present**

- Wrote 3 axis toolpaths in mastercam2020,21, and 2022 for multiple vertical milling machines including Mori Seiki MV-55, Fadal 4525, and Fadal 2216. Additionally edited NC code as needed. Wrote 3+1 and 3+2 axis toolpaths for 4 axis Mori Seiki DMG 40 and 5 axis Mori Seiki DMU 50. Created solid and wireframe models in Mastercam based off blueprints. Set up and ran various milling machines and operated various Mori Seiki lathes. Provided management with projections for set up and run times based off blueprints or solid models.

**Machinist, *Design Metal Manufacturing* May 2019-March 2020**

- Wrote toolpaths in mastercam2017 for vertical milling machines, Matsuura MC-760VX, and Mazak 510c from either. IGES or .STEP files. Setup and ran multiple machines to produce part from stock material per print. Use various shop machines and tools, horizontal and vertical band saws, tapping machines, manual lathes, and manual mills. All parts went through inspection and QA before moving on to the next department. Daily use of inspection equipment during the machining process to produce quality parts.

**Tool Room Machinist, *Vforge* May 2018 -May 2019**

- Wrote toolpaths in Mastercam 2018 and Mastercam 2019 for vertical milling machines Fadal VMC 2216 and Brother TCS2B. Also used machines such as surface grinders, manual mills, lathes, and Bridgeport with Acu-Rite cnc controller to produced parts such

as mold cavities, slides, cams, ejector pins, also designed and produced EDM sinker electrodes and solid models from print. used various tooling steels such as orvar, dievar, h13. as well as graphite, copper chromium alloy, and aluminum. Aside from making mold assemblies I also provided toolroom support for night shift cnc department and made in house parts for saws, aluminum rod casters, and presses.

**Machinist, *Design Metal Manufacturing* September 2017-May 2018**

- Wrote toolpaths in mastercam2017 and Mastercam X6 for vertical milling machines Matsuura MC-760VX, Hurco VM3 and Mazak 510c from either. IGES or .STEP files. Setup and ran multiple machines to produce part from stock material per print. Used various shop machines and tools, horizontal and vertical band saws, tapping machines, manual lathes, and manual mills. All parts went through inspection and QA before moving on to the next department. Daily use of inspection equipment during the machining process to produce quality parts.

**Prototype Machinist, *Isotec Security Inc.* October 2015 – June 2017**

- Programming and wireframe drafting using Mastercam 9, Job set-up, tool measurement, tool offset, part measuring and part de-burring. Operated metalworking machine Bridgeport with ProtoTrak controller, various CNC saws, and sanders to machine parts to specifications. Laid out and verified dimensions of parts, using precision marking instruments. Fabricated and modified tooling such as fixtures and jigs to produce parts, prototypes, and assemblies. Measured, examined and tested completed units to detect defects and ensure conformance to specifications.

**Acu-Rite Machinist, *CBW Automation* February 2014-October 2015**

- Conversational programming, Job set-up, and run. Operated metalworking machine Bridgeport milling machine with Acu-Rite controller to produce parts per print. Verified dimensions using precision measuring instruments. Fabricated and modified fixtures as needed.

**Machinist Apprentice, *Tucker Precision Machining* January 2013-February 2014**

- Programming with Mastercam X5 and conversationally, Job set-up, tool measurement and run. Operated metalworking machines including manual lathe, Haas vf-2 milling machine, Bridgeports with Acu-Rite and Proto Trak controllers, vertical and horizontal saws, grinders etc. Laid out and verified dimensions of parts, using precision measuring and marking instruments. Fabricated, assembled, modified tooling and fixtures to produce parts and assemblies.