

# Nathaniel Currie

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4609 Norwood Ave. Loveland, CO. 80538

## EDUCATION / CERTIFICATIONS

### Front Range Community College

Certificate- Manual Machining

May 2016

Certificate-Quality Control

Aug 2016

Certificate-CAD/CAM

Dec 2016

Certificate- Precision Machining Technology

Dec 2016

### Colorado School of Mines

May 2013

Bachelor of Science- Metallurgy and Materials Engineering

### CAD/CAM

- Solidworks - Certified Solidworks Professional in Mechanical Design
- Mastercam

Oct 2023

## SKILLS

### Machining

- Blueprint and layout reading, GD&T and quality control
- Precision measurement: Micrometer, calipers, comparators, CMM
- Drill press operations: drill bit sharpening, drilling, tapping, reaming, counterbore, countersink
- Use of hand tools, taps, grinders, sanders
- Fixture design and production
- Manual Lathe: single point threading, tapering, turning and facing operations, end drilling and boring, knurling
- Manual mill: pocketing, slot machining, drilling, boring, face milling, head tramming and vice indicating
- CNC lathe and mill: machine setup and operation, program writing and editing, HAAS controllers
- Acu-Rite CNC controller programming and operation

### Engineering

- Production of Technical engineering drawings
- Design, manufacture and assembly of machine parts
- Material and metallurgical analysis
- Metalworking including forge, foundry and sheet metal operations

## EMPLOYMENT EXPERIENCE

### Woodward Governors - CNC Machinist I

Jan 2024 - Present

- Setup and operation of Hitachi Seiki CNC lathes, engine lathes, and finish tooling
- Measurement and evaluation of precision parts according to engineering drawings
- Ability to follow process sheets and shop standards

### Muller Technology - Acu-Rite Machinist

April 2021 - Aug 2023

- Setup, programming and operation of 2 axis CNC retrofit Bridgeport manual mill with Acu-rite controller
- Production of parts from engineering drawings
- Simple maintenance of machine and tooling
- works closely with quality control personnel to ensure production of precision parts
- Deburring and finishing parts
- Modification/reworking of existing parts
- Measurement and assessment of part dimensions

### Colorado Green Film Technology - Fabricator 2021

November 2017-January

- Manufacturing and modification of machine parts using manual lathe and mill

- Creation of CAD drawings for machine components and assemblies

Manes Machine and Engineering Company - Machine Operator

July 2017 - September 2017

- Setup and operation of roughing CNC mills
- Measurement and recording of critical dimensions
- Tool maintenance and organization