

Ryan Hutzel

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cover letter;

I started programming and operating CNC machines in high school and have collectively over 8 years of 3D modeling and making tool paths for CNC mills and lathes.. At CoorsTek I've hand written macros and programs on the fly for quick I.D. and O.D. Jobs. I have many years of experience with solid works and mastercam for complex jobs. I believe have excelled at this position from trouble shooting and exceeding parts per hour using a plethora of techniques while achieving specified dimensions. In machining there is always more knowledge to gain.

Thank you for your time

Objective

To secure an ever advancing career in CNC machining. While improving knowledge of new techniques and practices for producing quality products. My goal is to seamlessly program, setup, and operate a variety of machines and accurately adjust tools for quality control. Being able Inspect and record GD&t using advanced inspection tools and techniques.

Education

August 2016 - August 2020

Community College of Denver

- Associates degree in CNC Machining
- Certificate of CNC machine tool operator
- Certificate of Intermediate Machining
- Certificate of Basic Machining

Other education;

- 2015 Solidworks Certification
- Proficient in Mastercam and Fusion 360
- Started using 3 and 4 axis CNC machines since 15 years old

Skills

- Experience with: Aggie wire edm, Haas ST20Y lathe, Samsung live tooling and y axis lathes, Heidenhain 5 axis mill, Roland MDX 540 (4 axis mill), Samsung 3 axis mill, and many types of KIA machines.
- Materials worked with: tungsten carbide, Aluminum 7075, 6061, 3003. Stainless steel 303, 304. Brass, ceramics and unknown donated types of titanium
- Ability to read blueprints with proficient understanding of GD&T

- Ability to draft, design, and provide accurate tool paths
- Able to learn new programs quickly.
- Proficient with SolidWorks, Fusion 360, Mastercam and espart
- Strong attention to detail
- Ability to work with others in complex situations
- Able and willing to comply with company policy, safety standards and quality
- Works well with all OSHA and safety standards, with OSHA 10 certification card
- Knowledgeable in setting up cnc machines
- Versed understanding of G-code as well as manualing writing
- Capable knowledge of macro programming
- Ability to accurately use a variety of advanced inspection techniques for quality control
- 8 years of experience with using cad and solidworks.
- Advanced knowledge of machine qualities and characteristics
- Adept understanding of how to operate manual lathes, milling machines and shop equipment
- Advanced in tool selection and part set up
- Efficient understanding of set up and operating 3 and 4 axis cnc mills.
- Experience with Haas and samsung cnc lathes with live tooling and y axis
- Used 5 axis Heidenhain for 3 plus 2 operations
- Advanced experience with personal owned 3d printers

Job Experience

February 2022 - Now

CoorsTek, - CNC set up specialist- promoted from CNC set up II November 2022

- Run and program edm wire machines(aggie
- Set up lathes and mills for operators
- Makes changes to code as needed
- Decide proper tooling for the job
- Efficient worker as well as team communication to operators and co-workers
- Fast Efficient pace with accuracy of .0001"
- Ceramics, aluminum, tungsten carbide and steel
- Program with mastercam and espart for modeling and tool paths

January 2021- February 2022

TTM Technologies - *CNC laser vias, CNC drilling, CNC routing circuit boards for the military and government.*

- Operate and troubleshoot CO2 and UV laser machines to a specified tolerance depth through a variety of compound materials
- Good use of GD&T with advanced inspection machines; CMM and optical comparators

- 3 axis CNC machines
- Team efficiency and time management

2016 -2023 (ongoing gig)

Rock chip repair - *labor*

- Excelled in advertising to customers
- Great customer service and people skills
- Advanced in working quickly and thoroughly to insure quality for customer

June 2017- March 2020

ES3 security, Loveland - *security guard*

- Effective leader and team player
- Gained alertness and focus on my surroundings
- High attention to detail through long hours and night shifts

November 2015- April 2017

A to Z auto glass , *Aurora*

- Family business
- Learned strong work ethic
- Still work for them on special occasions

November 2014 - April 2016

AMC dine in - *crew*

- Before september 2015: usher, guest services, cashier
- After september 2015: delivered alcoholic beverages, guest services
- Proficient in cash handling and guest services