

# Victor Ellenberger

(307) 399-1638, Frasmet@me.com

## Objective

A position in hi-tech manufacturing ultimately working as a full spectrum precision machinist in all capacities from machine operation to setup and programming.

## Major Skills

Process optimization, production scheduling, cost accounting, materials acquisition, information management, customer service

Conceptual Design and Prototyping

Blueprint Reading and Interpretation including GD&T

Operation of CNC lathe and mill, knowledge of both Haas, and Fanuc controls

Manual Mill and Lathe operations

Reading and programming in G-Code

Proper use of measuring tools: scales, calipers, micrometers, gauge blocks and pins, etc.

Operation and programming of Laser Cutting/Engraving machinery

Mold Making – either single or multi part hand built molds in rubber, solid resin, foam, concrete, plaster, and other materials for casting metals, resins, or foam

Molding/Casting in either metal (pewter, bronze, zinc, aluminum, or iron) or polymer resin, foam, and other materials

Maintenance and Repair of Hydraulic, Pneumatic, Electrical and Mechanical Systems

Basic shop practices and safety procedures

## Technical Skills

Software: Autodesk Fusion 360, Corel Draw, LaserCad, LaserWorks, Adobe Illustrator, Adobe Photoshop, familiarity with: AutoCad and Solidworks, Mastercam(2018)

Tools: CNC Lathe, CNC Mill, Knee Mill, Lathe, Drill Press, Metal Cutting Bandsaw, Sunnen Honing Machine, CO2 Lasers, Graco, and Gusmer foam/resin spray and pumping systems, knowledge of basic machine tools, and shop tools, measuring tools/instruments

Casting/Molding Processes: Low Pressure, rotational, slush, spin, and vacuum casting polymer resins, and low temp metals. Traditional foundry techniques for high temp metals.

## Experience

01/04/2021 - 08/18/2023 HoneyBee Robotics Longmont, Colorado

Responsible setup and programming of CNC lathe (Fagor Controller) using conversational programming. Setup and programming of CNC O.D. grinder (Okuma) using conversational programming. Produced part in a variety of material most Stainless Steel. Assembly support operations using CNC mill (Accu-Rite Controller) or manual mill and manual lathe as required. Designed and produced fixture

solutions to assist in primary fabrication processes and assembly support operations. Worked with Engineering to modify, restore, correct or improved parts and assemblies as needed using various machine and manual techniques. Properly setup and instructed others in the correct operation of Sunnen honing machine. Regularly worked with tolerance ranges as tight as .0002". Organized and inventoried materials.

08/2017 -07/16/20 CNC Operator at Circular Technologies Boulder, Colorado

Responsible for setup and operation of CNC machinery (lathes and mills), bench QA of parts, troubleshooting and adjusting machinery and programs to ensure quality, daily machine maintenance, some assembly and packaging duties.

01/2017 - 12/2017 Student Front Range Community College Longmont, Colorado

Precision Machinist Program Front Range Community College Manual Machining Certificate completed May 2017.

Quality Control Certificate (GD&T, and Metrology) and CNC/Precision Machinist Certificate completed December 2017.

05/2015 – 08/2017 Constructive Hire Laramie, Wyoming

Recruiter/Researcher

Constructive Hire management recruiting agency serving the Commercial Construction Industry Responsible for Candidate Searches utilizing various methods to identify names, titles, and current employers. Doubled the size of the candidate database in 18 months Client research to find new prospective client firms in the appropriate markets, identifying the hiring managers, and relevant executives within those firms. Client database has been increased 80% SINCE June of 2015

Generated numerous ads for placement on job boards as well as marketing emails to potential candidates regarding current employment opportunities. Recent marketing efforts have seen 20% response rate

Initiated conversations with over 1000 prospective candidates that opened dialogues to further their interests, and find the right candidates to meet client needs

Conducted numerous candidate assessment interviews to collect data and ascertain the fitness of each candidate for presentation to the client, in addition references were also interviewed.

04/2011 – 06/2014 Frasset's Workshop Miami,Florida Owner/Pattern Maker/Designer

Started boutique business manufacturing and selling finished museum quality miniatures. I was responsible for all aspects of business from art-to-part, manufacturing, quality control, sales, and customer service. Products have been sold on five continents.

Designed all products using a combination CorelDraw, and Adobe software to generate necessary drawings, plans and working templates

Prototyped all products using traditional modeling techniques and materials. Later incorporated laser cutting and engraving for higher tolerances and more complex forms.

Used low pressure resin casting to produce multiple copies of completed product. Introduced laser cutting and engraving for mass production of pieces in wood, and for creating complex relief etched pieces either as final part or intermediate part in the process allowing for high tolerances and scale accuracy to within .5mm of perfect.

Supplied customers with commissioned designed pieces as ordered.

Won several peer reviewed awards for online competitions, both domestically and internationally.

08/2006 – 01/2013 Pederio Pipe Support Systems Magnolia, Texas

Pederio is a subcontractor for the pipeline construction industry producing polyurethane foam products in-situ on the job site as needed. A typical 32" pipeline can require 1500-3000 cubic yards of foam depending on the unique geology of the site. A typical day involves spraying 500-1000 gallons of material to produce the required supports.

Operator/Laborer

Utilized high-pressure hydraulic polyurethane foam spraying equipment to field manufacture pipe support and erosion control barriers, as well as foam application to function as natural gas pipeline rock shielding.

Provided maintenance and repair to all associated equipment to include: foam machine, spray gun and related plumbing, generator and electrical systems, air compressor, and basic truck preventative maintenance.

Interfaced with supervisory personnel and implemented direction as to the changing requirements of each job. Maintained compliance with all pertinent job and environmental regulations.

Wrote and implemented addendum to company safety procedures regarding respiratory protection.