

Santiago Valenzuela

(720) 659-2712

santivalenz2@outlook.com

MACHINIST

PROFESSIONAL SUMMARY AND STRENGTHS

Experienced machinist, capable of programming, setup and operation of a wide variety of CNC lathes and mills. Experienced in setup and operation on a wide variety of manual lathes, use of hydraulic tracers, custom thread work. Familiar with Okuma, Mazak, FANUC and Haas controls. Collaborated with engineering in various prototyping projects ranging from oil and gas to aerospace. Experienced in AS9100 procedures and GD&T. Experienced with several different types of CAM software including MasterCAM and Fusion 360.

PROFESSIONAL EXPERIENCE

Volunteer

The Gathering Place

Denver, CO

09/2022 – Current

- Consulted with programmers to shorten cycle time on critical parts
- Created parts for experimental rocket engine meant to put satellites into orbit
- Held tolerances as tight as +/- 0.0003"

Setup Machinist

Cutter Innovations

Denver, CO

07/2021 – July 2022

- Consulted with programmers to shorten cycle time on critical parts
- Created parts for experimental rocket engine meant to put satellites into orbit
- Held tolerances as tight as +/- 0.0003"

Setup/Programmer

Mikron Corporation

Centennial, CO

08/2019 – 06/2020

- Creative use of live tooling to cut down on the number of operations on critical parts
- Support prototyping operations by quickly making new parts under tight deadlines
- Routinely held tolerances as tight as +/- 0.0003"
- Specialized in small parts with thin diameters, holding tight straightness, finish and parallelism

Setup/Programmer

Baski, Inc.

Denver, CO

07/2018 – 07/2019

- Work with engineering to create prototypes, give feedback regarding streamlining design for manufacture and assembly
- Holding of tight tolerances down to +/- 0.0003"
- Supervise and train junior machinists on machine operation and how to run specific parts
- First article inspection of junior machinists

Mill Machinist/Programmer

Artesia, CA

Ultratech

09/2017 – 07/2018

- Holding of tight tolerance, such as +/- 0.0005” bores, .001 parallelism
- Held fine finish tolerances by selecting appropriate finishing tools and programming feeds and speeds
- High production tempo; achieved multiple setups per day

Setup Machinist

Los Angeles, CA

Brasstech, Inc.

01/2016 – 08/2017

- Edited programs in Mazatrol to add, subtract or adjust features as needed
- Installed tooling, touched off and made adjustments to bring parts into print
- Created programs in Mazatrol using conversational programming

EDUCATION

Caminstructor | Mastercam Training Course

Denver, CO

National Tooling & Machining Association (NTMA) |

Los Angeles, CA