# Bartholomew Nakashima-Reyes

**CNC Machinist**

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## SUMMARY

CNC machinist with 7 years of setup and operation on 3- and 5-axis mills and CNC lathes with Haas, Fanuc and Mazatrol controls. Machines aluminum, stainless and titanium aerospace and medical parts to ±0.0005 in, edits G-code at the machine and programs simple parts in Mastercam. Cut scrap on a 5-axis cell from 4% to 1.2%.

## EXPERIENCE

### CNC Setup Machinist — Lakeshore Precision Components

Grand Rapids, MI · Apr 2021 – Present

- Set up and run 2 Haas UMC-750 5-axis mills and a Mazak lathe, completing 10-15 setups a week on aerospace brackets and medical housings.
- Lowered scrap on the 5-axis cell from 4% to 1.2% by adding in-process probing and tool wear offsets to 18 part programs.
- Cut cycle time on a high-volume titanium bracket from 22 to 16 minutes by changing toolpaths and adding a high-feed roughing tool, saving 400+ machine hours a year.
- Passed 60+ first-article inspections with zero rejections, using height gauges, micrometers and CMM reports to verify ±0.0005 in features.

### CNC Machine Operator — River Valley Machine Works

Holland, MI · Jun 2018 – Mar 2021

- Ran Fanuc-controlled vertical mills and lathes on 2nd shift, producing 300-500 parts a shift in aluminum and 4140 steel.
- Measured parts every 25 pieces with calipers, micrometers and bore gauges, catching 3 tool failures before they produced bad parts.
- Trained 4 new operators on loading, offsets and inspection frequency, with none causing a scrap event in their first 90 days.

## SKILLS

Machines and controls: Haas, Fanuc, Mazatrol, 3- and 5-axis mills, CNC lathes with live tooling

Programming: G-code and M-code editing, Mastercam (2D and 3D toolpaths), probing routines, work offsets

Inspection: GD&T, blueprint reading, micrometers, bore gauges, height gauges, CMM reports, first-article inspection

Materials: Aluminum 6061/7075, 304/316 stainless, 17-4 PH, titanium Ti-6Al-4V, 4140 steel, Delrin

## CERTIFICATIONS

NIMS Machining Level I: CNC Milling and CNC Turning, 2019

Mastercam Associate Certification, 2022

## EDUCATION

Machine Tool Technology Certificate, Grand Rapids Community College, 2018

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