Ethan Caldwell

CNC PROGRAMMER

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SUMMARY

CNC programmer with 9 years in aerospace machining, the last 6 writing Mastercam programs for 3-axis, 5-axis and mill-turn machines with Fanuc and Haas controls. Builds fixtures and models in SolidWorks, picks cutting tools and posts proven G-code for titanium and aluminum parts. Cut average cycle time 20% across 40 part numbers.

SKILLS

Mastercam • CNC Programming • SolidWorks • G-Code • 5-Axis Machining • Fanuc • GD&T
Cutting Tools • Vericut • Excel

EXPERIENCE

CNC Programmer

05/2020 - Present

Cascade Aero Machining

Everett, WA

AS9100 machine shop with 22 CNC machines making structural and engine parts.

- Write Mastercam programs for 5-axis, 3-axis and mill-turn machines, releasing about **30** new programs a month.
- Modeled fixtures and stock in SolidWorks, reducing setups per part from 3 to 2 on 12 families.
- Lowered average cycle time 20% across 40 part numbers through tool path and cutting tools changes.
- Edit Fanuc and Haas post processors and simulate G-code in Vericut, with 0 crashes since 2022.
- Track tool life and cost in Excel, trimming the cutting tool budget by $48,000 a year.

CNC Machinist

06/2017 - 04/2020

Snohomish Precision Parts

Snohomish, WA

Job shop serving aerospace and marine customers.

- Set up and operated Haas and Okuma mills on titanium and aluminum parts with GD&T callouts.
- Edited programs at the control, proving out about 6 new jobs a month.
- Trained 3 operators on offsets, tool changes and first-article checks.

EDUCATION

Associate of Applied Science

05/2017

Everett Community College

Everett, WA

Manufacturing Technology

CERTIFICATES

Mastercam Certified Professional (Mill)

CNC Software

02/2021