Jacob Stein

CMM Programmer

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Summary

CMM programmer with 6 years in aerospace and medical machining, writing PC-DMIS and Calypso programs from CAD models and GD&T drawings. Builds first article and in-process routines for 5-axis parts, designs fixtures that cut cycle time, and backs CMM data with calipers, micrometers and sound metrology practice.

Experience

CMM Programmer

Westlake Aerospace Machining — Cleveland, OH — 01/2023 - Present

Programmer for 4 CMMs at a 250-employee shop making turbine and landing gear parts.

- Write and prove **120+** PC-DMIS programs a year from CAD models for new part numbers.
- Create AS9102 first article inspection reports, about 15 a month, with no customer rejects in 2025.
- Design modular fixtures that load 6 parts per run, cutting CMM cycle time by 35%.
- Train 5 inspectors on running programs, reading GD&T reports and basic CMM programming edits.

CMM Operator and Programmer

Lake Erie Medical Machining — Solon, OH — 05/2020 - 12/2022

CMM work at a contract machinist for orthopedic implants.

- Programmed 2 Calypso CMMs to measure knee and hip implant components.
- Measured 300 parts a week on the CMM and confirmed bore sizes with micrometers and pin gauges.
- Applied blueprint reading and GD&T datum schemes to fix 18 programs that gave false rejects.
- Logged CMM results in the quality system for lot release and FDA audit records.

CNC Machinist (Part-Time)

Brook Park Tool and Die — Brook Park, OH — 08/2018 - 04/2020

Part-time machinist at a tool and die shop while in college.

- Machined 3-axis fixture plates and die components to drawings with tolerances of 0.001 in.
- Checked first pieces with calipers, micrometers and height gauges before running each job.
- Loaded 40 setup sheets into the shop network, helping second shift restart jobs faster.

Education

Associate of Applied Science

Cuyahoga Community College

Manufacturing Engineering Technology

Cleveland, OH

05/2020

Skills

CMM Programming	—	PC-DMIS	—	Calypso	—	GD&T	
CAD Models	—	Blueprint Reading	—	Metrology	—	Micrometers	
Calipers	—	Problem-Solving Skills					

Certificates

GD&T Professional (GDTP) Technologist

ASME

07/2023