

Jay Jones

3d Fabricator and Programmer

Bear, DE 19701

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4436047201

Self-motivated individual, with a wide experience in most things manufacturing, who truly enjoys looking at a problem and finding the solution

Willing to relocate: Anywhere

Authorized to work in the US for any employer

Work Experience

CNC Programmer

Polarstar Engineering and Machine - Newark, DE

June 2021 to Present

Program and setup various CNC mills, lathes and mill turn machines using Siemens NX CAM and hand programming. Perform 1st article inspections to ensure QC and periodically do random QC checks on top of the normal operator checks. Run prototype parts for engineering to test. Use 3d printing to assist with various projects around the shop. Improving old programs on popular parts to reduce time and increase efficiency. Use Microsoft Word and Excel to keep track of programs, tool lists, maintenance schedules, and QC forms. Keep a regular machine maintenance schedule to keep machines in good running order

3d CAD design and printer

Off the Paper Printing - Bear, DE

December 2020 to Present

Started my own 3d modeling and printing business. Modified an Ender 3 Pro to be 300C+ capable of printing fiberglass and carbon fiber reinforced polycarbonate and nylon. Self-taught myself a lot about firmware and how to wire up a motherboard and how to use various 3d software including Meshmixer, Fusion360, 3DFZephyr, Blender. Keep a regular machine maintenance schedule to keep machines in good running order.

CNC Machinist/Programmer

DuHadaway Tool and Die Shop, Inc. - Newark, DE

July 2020 to June 2021

Setup and run large CNC mills in a power generator manufacturer environment, often dealing with large and heavy parts with tight tolerances. Do minor program adjustments where needed, occasionally do some prototyping for a new product line or revision to an older part. Kept a regular machine maintenance schedule to keep machines in good running order.

CNC Programmer/Machinist

Dixon Valve & Coupling Company - Chestertown, MD

October 2017 to November 2019

Program a CNC lathe to produce parts for their new line of weldments, communicate with engineers to come up with the best design that also works for the most efficient way of machining the part.

Documented work processes in Excel and QC. Innovated several ways to reduce machining time on simple parts, often combining more than one operation with a single tool, such as using a specialized drill to rough drill then bore a hole. Kept a regular machine maintenance schedule to keep my machines in good running order.

CNC Set-Up Operator

IAG Performance - Westminster, MD

March 2016 to October 2017

Setup and operate several CNC 3-5 axis mills and a live tooling lathe. Occasionally write programs for new prototypes and fixturing. Complete QC forms using various measurement tools including but not limited to calipers, micrometers, depth gages, dial indicators to ensure correct dimensions. Kept a regular machine maintenance schedule to keep machines in good running order.

CNC Operator

Raloid Corporation - Reisterstown, MD

May 2015 to March 2016

Setup and operate 3 and 4th axis mills and a 2 axis lathe. Complete QC forms using various measurement tools including but not limited to calipers, micrometers, depth gages, dial indicators to ensure correct dimensions. Kept a regular machine maintenance schedule to keep machines in good running order.

Education

Certificate in Machine Tool

CCBC - Catonsville, MD

September 2014 to May 2015

Certificate in Welding

Community College of Carroll County Tech Center - Westminster, MD

October 2010 to December 2010

Skills

- CNC Programming
- CNC
- Calipers
- CAD
- Coordinate Measuring Machine
- CAM Programming
- Machining
- CNC Lathe
- Manufacturing
- GD&T
- SolidWorks
- Mechanical Knowledge
- CNC Milling Machine

- Quality Assurance
- Micrometer
- Lean Manufacturing
- Quality Inspection
- Welding
- Assembly
- Drafting

Assessments

Mechanical knowledge — Expert

April 2022

Understanding and applying mechanical concepts and processes

Full results: [Expert](#)

Project timeline management — Proficient

April 2022

Prioritizing and allocating time to effectively achieve project deliverables

Full results: [Proficient](#)

Workplace safety — Proficient

April 2022

Using safe practices at work

Full results: [Proficient](#)

Indeed Assessments provides skills tests that are not indicative of a license or certification, or continued development in any professional field.