

BARRY SETZER

Engineer, Programmer, Designer, Techno-geek



EXPERIENCE

Mill Supervisor

Titans Of CNC, Flower Mound TX

June 2021-Current

- Responsible for mill programming and operation to create content and parts in the interest of educating the world in what is possible in this trade
- Worked daily with the Titans of CNC community to help solve problems and advance the knowledge of the collective community
- Demonstrate advanced programming, machining, and design techniques

Lead CNC Applications Specialist

General Atomics, Tupelo MS

September 2019-June 2021

- Defined and implemented Lean processes and procedures to maximize efficiency in the CNC Programming and CNC Machining departments
- Led a team of CNC Programmers in daily activities
- Programmed some of the most complex and difficult parts to machine in the defense industry, including parts of high value (\$1mil plus)

Manager of CNC Programming/Manufacturing Engineer

Mooney International, Kerrville TX

November 2015-September 2019

- Defined and implemented Lean processes and procedures to maximize efficiency in the CNC Programming and CNC Machining departments
- Led a team of CNC Programmers in daily activities
- Designed all tooling, such as hydroform and drop-hammer dies, and fixtures for; assembly, welding, machining, drilling, routing
- Provided feedback to other business units in regards to additive manufacturing, design for manufacturability, risk mitigation, routes, ROI, strategic planning

Structural Design Engineer (Contractor)

Spartan ERV, Brandon SD

February 2015-November 2015

- Designed complex emergency response vehicles using Solidworks
- Reviewed designs of other engineers
- Automated several aspects of the design process

5-Axis Mill Programmer (Temporary)

BHI, Houston TX

August 2014-February 2015

- Programmed several 4 and 5 axis mills including 2 Matsuura MAM 72-63V's integrated with a 32 pallet linear storage system

Design Engineer/5-Axis Mill Programmer

M7 Aerospace, San Antonio TX

October 2011-February 2015

- Designed assembly models of aircraft using legacy mylars, tools, and lofts
- Programmed several 3,4, and 5 axis mills, machining large impellers and turbo assembly components, hydroform tools, and aircraft parts
- Reduced scrap by \$225,000 per year through Lean-Six Sigma Greenbelt project

Lead Design Engineer

Aerolution Engineering, San Antonio TX

August 2012-November 2015

- Designed airframe and support structure for modified VIP aircraft including Airbus A330 and Boeing 747, including the President of Nigeria's plane
- Built massive assemblies in Solidworks (10,000+ components)

Automation/Robotics Supervisor/Programmer

EPMP, Seguin TX

August 2005-October 2011

- Programmed, maintained, and repaired Finn-Power automated punching/forming cell which included: Several Fanuc R2000ia Handling Tool robots, EBe panel bender, Shear Genius turret/shear combo, robotized press brakes, and more.
- Served as Maintenance Manager for 1 year, Quality Manager for 1 year, and Manufacturing Engineer for 2 years.

Programmer/Machinist

Advanced Cutting Technologies, Seguin TX

July 1997-August 2005

- 4 year apprenticeship under Master Machinist
- Programmed and operated several 3 axis mills and 3 axis lasers.



LIFE PHILOSOPHY

"Everyone is a genius. But if you judge a fish by its ability to climb a tree, it will live its whole life believing that it is stupid."

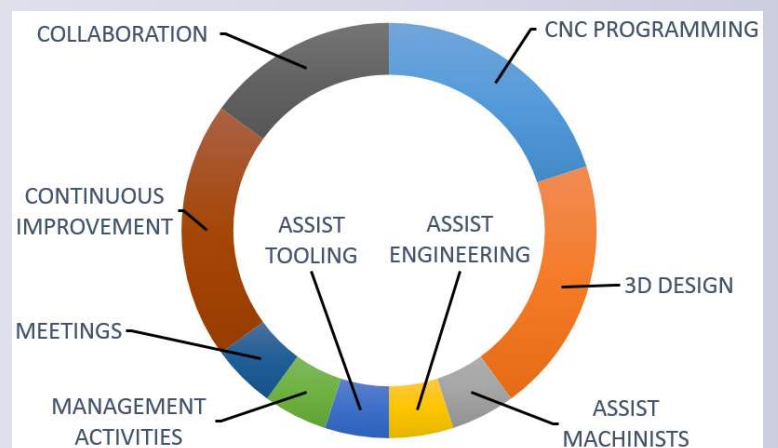
MOST PROUD OF

- LEAN/SIX SIGMA GREENBELT
- MULTIPLE SOLIDWORKS CERTIFICATIONS
- MICROSOFT EXCEL SKILLS
- IMPROVEMENTS IN PROGRAMS, PROCESSES, TOOLS, AND PROCEDURES
- IMPROVEMENTS MADE IN PEOPLE: ATTITUDE, ABILITY, PRIDE IN WORK, AND THOUGHT PROCESSES

STRENGTHS

- ◇ MASTERCAM
- ◇ SOLIDWORKS
- ◇ EXCEL (VBA)
- ◇ COMMUNICATION
- ◇ CONTINUOUS IMPROVEMENT
- ◇ PROCESS AUTOMATION
- ◇ INTERPERSONAL SKILLS
- ◇ MACHINING DESIGN
- ◇ QUALITY
- ◇ PROCESS STABILITY
- ◇ DOWN TO EARTH
- ◇ 3D PRINTING
- ◇ ORGANIZATION
- ◇ LEADERSHIP
- ◇ ENGINEERING

TYPICAL WORK DAY



SOLIDWORKS CERTIFICATIONS

PROFESSIONAL
ADVANCED SURFACING SPECIALIST
ADVANCED SHEET METAL SPECIALIST
ADVANCED WELDMENT SPECIALIST
ADVANCED DRAWING TOOLS SPECIALIST
SUSTAINABLE DESIGN ASSOCIATE