

Edward G. Mores

1002 Gay St. • Longmont, CO 80501 • 303.682.1578 • emores@g.com

Work Experience

MultiSource Manufacturing

1/2017-7/2017 11/2017-1/2018

- Contracted to help with difficult machining challenges
 - o Machined prototype surgical devices using Mastercam 2017
 - o Created CNC programs and fixturing for long term production of medical devices

Coyote Cutters

7/2017- 10/2017

- Machine prototype NASA and LASP parts
 - o Machine close tolerance flight parts using a HAAS CNC and Mastercam X9

Covidien / Medtronic

12/2014 - 12/2016

CNC Programmer II

- Machine prototype surgical instruments
 - o Machine and assemble close tolerance laser welding fixtures
 - o Program and operated 3 axis Fadal CNC using Mastercam X5
 - o Make new and replacement precision tooling, mainly using 17-4 SS, tool steel and aluminum
 - o Make prototype and production parts on a Fortus 3D printer

Temporary positions

3/2013 - 12/2014

- After a layoff from LASP and during the recession I worked at temporary jobs
 - o ATI (Advanced Thermoforming Inc.), Mold maker and 5 axis router programmer
 - o NREL (National Renewable Energy Laboratory), Instrument maker II

Laboratory for Atmospheric and Space Physics (LASP)

9/2010 - 3/2013

- University of Colorado, Boulder

Professional Research Assistant / Flight Hardware Prototype Machinist / Instrument Maker

- Primary responsibilities were as a prototype flight hardware machinist
 - Program and operate Fadal CNC and E-Z Trak machinery using Mastercam X7
 - Secondary responsibilities were: metrology, laser marking, and laser machining
 - Additional responsibilities: assisting engineering staff, mentoring students, helping professionals with difficult machining issues
 - Special projects: non-flight and flight assembly and polymeric work
- Certifications
 - Certified NASA - STD - 8739 for hardware and lacing cord staking
 - Certified in ESD training
 - Certified to work and assemble flight hardware in cleanrooms.
- Major instrument projects that I worked on at LASP and NCAR:
 - SOURCE, EVE, SDO, GLORY, TCTE, RBSP, MAVEN, LDEX, GOES-R, MMS, TSIS-TIM.

National Center for Atmospheric Research (NCAR)

8/1998 - 9/2010 Instrument Maker II

- Generated 2D and 3D geometry for machine tool paths using a variety of PCs and CAM software
 - Expertise in using Gibbs Cam, EZ Cam and Master Cam software
 - Machined highly complex 2D and 3D parts on CNC machines: Fadal/Fanuc, EZ Path Lathe, EZ Trak mill and Mill Power
- Fabricated and assembled components and other hardware items to precise specifications.
 - Operated CNC and manual mills, lathes, grinders and sheet metal equipment to make complex prototype components to tolerances as close as +/- .0001
 - Operated precision measuring equipment and gages to inspect accuracy and finish of work.
 - Assembled, tested, modified and repaired instruments as required
- Other duties:
 - Consulted with engineers, designers and developers at NCAR.
 - Consulted with customers include: NASA, LASP, NOAA, INSTAR and the Universities of Colorado, Hawaii, Wyoming, North Dakota, Denver, and Miami
- Was the “go to guy” at the NCAR instrument shop for EZ Cam software, EZ Trak Mill and EZ Path Lathe

Ramline, Precision Technologies, and McRoberts Machine 1991 - 1998

Prototype machinist

- Precision Technologies, and McRoberts Machine
 - Machined a large variety of parts, primarily for the computer industry
 - Used EZ Trak Mills and Cincinnati CNC milling machine technologies
- Ramline
 - Developed parts and accessories for the shooting industry

Dimension Enterprises 1978 to 1991

Co-Owner & Prototype Machinist

- In 1978 I bought my first milling machine and became a contract machinist
- This led into a startup business, Dimension Enterprises, with a partner
- We made prototype plastic parts for IBM and stainless steel parts for Micro Motion
- I had responsibilities for all aspects of running a business and managed 10 employees
- I sold my half of Dimension to my partner in 1990

Awards

- 2009 Received the HAO/NCAR Walter O. Roberts Scientific and Technical Achievement Award for work on the Sunrise High Altitude Balloon-Borne Observatory
- 2009 Received a Special Recognition Award for outstanding performance on the Sunrise project from the director of NCAR.
- 2009 Nominated for the UCAR/NCAR Scientific and Technical Advancement Award
- 2003 Received the UCAR/NCAR Scientific and Technical Advancement Award for my work on the low turbulence inlet projects, the International H2O Project and new design for a Mobile Rapid Scan Radar
- 2014 NASA RHG Exceptional Achievement for Engineering Team - MAVEN Team

