

J. Wayne Rhine Jr.

1523 Biltmore Rd., Lyndhurst, Ohio 44124
home (440) 473-3453 cell (216) 780-5530
wrhine@wrhine.com <http://www.wrhine.com/resume>

OBJECTIVE: To find a position as Designer/Draftsman, designing and detailing mechanical components, using AutoCAD and Inventor. Proficient using Paint Shop Pro for editing scanned raster drawings. Experienced with GD&T, drawing to ASME Y14.x series of standards.

EXPERIENCE: Avtron Aerospace, Independence, Ohio
12-07 to Present

Design & Drafting of Aerospace test equipment:

- Design and drawing of sheet metal and fabricated components.
- Part Data & BOM entry into MRP, (BaaN)
- Layout of Electrical panels, cabinets
- Inventor: 3D Tube & Pipe for hydraulics
- Electrical and Hydraulic Schematic checking: off sheet references, reference designators with BOM and associated drawings
- Wrote drafting department processes and procedures.
- Liaison with PCB manufacturer, providing files, answering questions
- CAD Manager: duties include installation, setup, maintenance and education of AutoCAD, Inventor, Vault

Machine Design 2D & 3D

5-06 to 12-07 Energizer Battery Mfg., Westlake, Ohio

Mechanical Product Design Contract position: Drafting battery manufacturing equipment:

- Design of sheet metal and fabricated components
- Drawing database and BOM's.

12-05 to 5-06 Rockport Machine, Cleveland, Ohio

Mechanical Product Design Contract position (Short Term): Custom Machine design:

- Design of sheet metal and fabricated components
- Maintain drawings and make updates and changes as required.

2-90 to 4-05 Barudan America, Inc. Solon, Ohio

Project Manager, Mechanical Product Design Duties required for going from machine design to market include the following:

- Bill of Material - development and maintenance
- Design of sheet metal, fabricated components and plastic parts - injection molded, RIM
- Motion control, Timing pulleys and belts, bearings
- Integrating electronic components and sub-assemblies into mechanical design
- Converting components from English to metric for International sales
- Fabricate and hand build machine prototypes, testing and approval for purchase

- Management and scheduling of personnel to complete a design.

7-89 to 2-90 Power Pack Conveyor Co., Willoughby, Ohio

- Detailer
- Mechanical design and detailing of conveyors.
 - Taught AutoCAD to engineering staff. This increased accuracy of engineering documentation.
 - Performed general maintenance of company computers

11-84 to 7-89 Lucerne Products Inc., Boston Hts., Ohio

- Design
- Responsibilities include mechanical design of injection and compression molded plastics components, metal stampings, small PCB layout & integrating electronic components into mechanical design.
 - Management of design projects and drafting personnel
 - Received patent 5,018,983 for "Electrical Adapter for Interconnection with a Switch"

9-81 to 11-84 Engvis Corp., Warrensville Hts., Ohio

- Technical Artist
- Technical layout of artwork for machine panels. All darkroom work. Making silkscreens & silkscreening anodized aluminum parts.

10-99 to 2015 FIN Systems LLC, Concord, Ohio

- Webmaster
- Web site design.
 - Management of web servers.

1989 to 2010 Instructor/Teacher for Evening Adult Education Classes

Bedford Adult Education:

- Intermediate level AutoCAD.

Mayfield Hts. Adult Education:

- Microsoft® Operating Systems and applications including: DOS, Windows 3.1, 95, 98 & XP. Word, Excel, Internet Explorer, Create web pages

EDUCATION:

Cuyahoga Community College, Cleveland, Ohio (Tri-C) A.A. Degree with a concentration in Mechanical Engineering.

Additional courses have been completed since graduation. (AutoCAD, AutoCAD Electronic)

Tri-C Metro - Invited to be a charter member of the engineering honor society, Tau Alpha Pi.

Bedford City Schools, Bedford, Ohio, High School Diploma

REFERENCES: Available upon request.