

# J. Wayne Rhine Jr.

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## **CAREER SUMMARY:**

Proficient at designing and detailing mechanical components, electrical panels, bus bar layout and cabinets using AutoCAD and Inventor. Experienced using Paint Shop Pro for editing scanned raster drawings. Draws to GD&T, ASME Y14.x series of standards. Accuracy, attention to details.

## **SKILLS :**

Autodesk: AutoCAD	Corel: Paint Shop Pro (Raster editor)
Autodesk: Inventor	Microsoft Office: Word, Excel
Autodesk: Vault	ASME Y14.x Standards
Dassault: Solidworks (Beginner)	GD&T

## **EXPERIENCE:** 4-19 to Present

Nidec Industrial Solutions, Independence, Ohio

Contract position: Drafting Industrial Control equipment:

Electrical  
Product  
Documentation  
2D & 3D

- Design and drawing of sheet metal, bus bars and fabricated components.
- Part Data & BOM entry into MRP, (BaaN)
- Layout of Electrical panels, cabinets

12-07 to 3-19

Avtron Aerospace, Independence, Ohio

Machine  
Design 2D &  
3D

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

5-06 to 12-07

Energizer Battery Mfg., Westlake, Ohio

Mechanical  
Product Design

Contract position: Documenting 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, Inventor)  
Tri-C Metro - Invited to be a charter member of the engineering honor society, Tau Alpha Pi.