

Richard D. Girt III

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Professional Summary

Highly motivated Mechanical Engineer employing 16+ years of experience working in a variety of disciplines. The ideal position would allow a range of tasks utilizing creative strengths to solve interesting problems in new ways.

Qualifications

Dasher Lawless Automation, Warren, OH **March 2016 – Present** **Sr. Mechanical Engineer**

- Evaluate potential solutions to engineering problems for feasibility, manufacturability, and cost
- Design components, mechanisms and systems based on project specifications
- Manage internal/external design engineers, assemblers, and manufacturers of equipment to ensure all parts are manufactured to the design drawings and specifications
- Preparing and executing purchase orders for prototype components.
- Assisted in development of R&D test station
- FEA Analysis of Mechanical Components using Autodesk Simulation

Youngstown State University **January 2016 – Present** **Part Time Faculty**

Youngstown, OH

- Instruct and evaluate class of approximately 25 students
- Demonstrate 3D modeling and parametric design concepts using Inventor 2017 and Solidworks 2016

Noise Solutions, Sharon, PA **March 2014 – March 2016** **Designer**

- Work closely with sales to provide preliminary design to support quotes and proposals
- Prepare architectural and detailed drawings for noise suppression equipment
- Developed logic driven interface for quickly generating documents for components based on parameter input

LM Cases, Youngstown, OH **July 2013 – March 2014** **Design Engineer**

- Designed reusable shipping containers based on ATA 300 spec & MIL STD 810
- Implemented process improvement in design and production

Sharpsville Container, Sharpsville, PA **Jan 2013 – July 2013** **Mechanical Designer**

- Designed 3D models for various holding and mixing vessels
- Established BOM, routing, and shop orders for all materials involved in fabrication

Powder River Development, Sharpsville, PA **Aug 2011 – Jan 2013** **CAD Operator**

- Created and revised construction documents for telecommunication sites
- Corrected and Revised existing drawings with markups
- Instructed team members on best CAD practices while building and maintaining dynamic CAD library

Joy Cone Company, Sharpsville, PA **Sept 2000 – Aug 2011** **CAD Operator**

- Primarily mechanical drafting, including sheet metal, site plan, and building construction
- Creating drawings from concept GD&T for dimensional accuracy
- Collaboration with and communication between Engineering and Shop Management
- Revising and updating library of existing drawings

Education

Youngstown State University, Youngstown, OH **Aug 2011- Dec 2014** **BSAS MET**

- 3.39 Cumulative GPA
- Coursework: Machine Design, Tool Design, Thermodynamics, Finite Element Analysis, Computer Numerical Control, Robotics
- Design and fabrication of prototype using purchased, fabricated, and 3D printed components.

ITT Technical Institute, Youngstown, OH **Mar 2000 – Mar 2002** **AAS CAD&DT**

- Practiced extensive 3D design with both Mechanical and Architectural applications
- Graduated with highest honors (3.85 Cumulative GPA)