

ADAM RICHARD POHL (CSWP)

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PROFESSIONAL EXPERIENCE

CAD Consultant (POHL3D)

Mechanical Drafter & Designer focused on providing excellent quality work with a quick turn-around.

Work Remotely

Owner/Operator

June 2010-Present

- Conceptual modeling, product development & management, rendering, 2D to 3D conversion etc.
- Supporting clients by creating new drawings & revising existing drawings from mark-ups.

Lincoln Electric

Lincoln Electric Automation Columbus (Rimrock) specializes in automation for the die cast industry.

Columbus, OH

Engineering Contractor

March 2022-August 2022

- Robot cell layouts, Tooling, Material Handling, Deburring, Part Marking, Inspection & palletizing.
- Converting & updating legacy products to conform to newly implemented SolidWorks PDM vault.
- Build support; Troubleshooting issues, documenting as built changes and revising drawings.

Emcore Corporation

Manufacturer of fiber optic gyroscopes & components for the telecommunications industry.

Alhambra, CA

Mechanical Designer/Drafter II

July 2019-July 2021

- Jig & Fixture design for ease of assembly & test stations.
- Collaborated with R&D department for design/drawing assistance.
- Supporting the manufacturing engineering team, continuously improving processes (DFMA).
- Vendor relations; Sending RFQ's. Ordering equipment & components.
- Preventative maintenance & support for the production department on existing equipment.
- Processing ECO's; Validating designs & revising drawings, releasing them in the PLM system.
- Cost reduction utilizing; Injection molding, die cast or additive manufacturing vs traditional.
- 3D Printing & designing for additive manufacturing (DFAM), bringing more production in house.

MSC Manufacturing

Custom equipment builder & machine shop.

Oneida, TN

Mechanical Designer/Drafter

March 2016-February 2018

- Designed automated equipment and production machinery.
- Retro-fit existing equipment to improve accuracy, safety and efficiency.
- Worked in fabrication; running a water-jet machine to cut sheet metal & other 2D profiles.
- Used manual brake press to bend sheet metal parts, deburr & paint.
- Used SolidWorks animation to demonstrate project process to clients and programmers.
- Worked in assembly department to ensure machines were being built to specification.
- Manual mill operation and programming code for the CNC.

MJ Engineering & Consulting

Provides mechanical engineering consulting services.

Westerville, OH

Designer/Drafter

January 2011-June 2015

- Managed & updated client's drawings, 3D CAD Data & BOM information.
- Created 3D models & 2D drawings in SolidWorks, Pro-Engineer, Inventor & AutoCAD/Draftsight.
- Used reverse engineering to model existing parts, assemblies & equipment.
- Prepared certification drawings & FEA studies based on customer supplied info for engineers to approve, conforming to industry standards (Mainly Mining Equipment & Amusement Park Rides).
- Sourced and sized (spec'd out) standard hardware & components.
- Collaborated with electrical engineers to create and revise electrical schematics.
- Created robotic cell layouts, end of arm tooling, & production automation equipment for companies in a variety of manufacturing & food packaging plants.
- Assembled, tested & supported our designs.

RE Hovey Construction

Excavating & trucking company known for building oilfield locations & rig moving.

Rosebush, MI

Laborer

May 2004-December 2010

- Assisted senior mechanic & welder in truck/trailer repair as well as general maintenance.
- Repaired equipment e.g. excavators, bulldozers, forklift, front end loader.
- Power-washed and cleaned trucks and equipment.
- General tasks such as shop upkeep, tool organizing, loading trailers, landscaping, etc.

EDUCATION

Baker College of Muskegon, MI

A.A.S degree in CAD (2010)

Vocational Training

Mecosta/Osceola Career Center:
Mt Pleasant Area Technical Center:

Mechanical CAD (2007)
Architectural CAD (2006)