

# **ADAM RICHARD POHL (CSWP) - ADAM@POHL3D.COM - (989) - 621-1382**

## **PROFESSIONAL EXPERIENCE**

### **CAD Consultant (POHL3D)**

**Remote – On-Site (As Needed)**

#### **Owner/Operator**

**06/2010 - Present**

- New drawing creation & revising existing drawings from mark-ups.
- Conceptual modeling, product development, project management, rendering, 2D to 3D & more.

### **Slate River Systems Inc (SRSI)**

**Iving, TX (Remote)**

#### **CAD Specialist**

**08/2023 - 08/2024**

- Design and drafting of automated equipment utilizing SolidWorks, Inventor and Fusion360.
- Create complex warehouse layouts with AutoCAD & Revit.
- Collaborated with vendors to procure components for assembly and installation.

### **Lincoln Electric**

**Columbus, OH**

#### **Engineering Contractor**

**03/2022 - 08/2022**

- 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**

**Alhambra, CA**

#### **Mechanical Designer/Drafter II**

**08/2018 - 07/2021**

- Jig & Fixture design for ease of assembly & test stations.
- Collaborated with the 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 & design for additive manufacturing, reducing costs & lead time.

### **MSC Manufacturing**

**Oneida, TN**

#### **Mechanical Designer/Drafter**

**03/2016 – 02/2018**

- Designed, detailed, and documented 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.
- Created SolidWorks animation to demonstrate project process to clients and programmers.
- Supervised the assembly department to ensure they were building machines to specifications.
- Manual mill operation and programming G code for the CNC.

### **MJ Engineering & Consulting**

**Westerville, OH**

#### **Designer/Drafter**

**01/2011 – 06/2015**

- 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.
- Sourced and sized standard hardware & components.
- Collaborated with electrical engineers to create and revise electrical schematics.
- Created robotic cell layouts, end of arm tooling, & production automation equipment.
- Assembled, examined & supported our designs.

### **RE Hovey Construction**

**Rosebush, MI**

#### **Laborer**

**05/2004 – 12/2010**

- General tasks such as shop upkeep, tool organizing, loading trailers, landscaping & power washing.
- Assisted mechanic & welder in truck/trailer repair & general maintenance on heavy equipment.

## **EDUCATION**

### **Baker College of Muskegon, MI**

**A.A.S degree in CAD (2010)**

Mecosta/Osceola Career Center: Senior Year HS

Mechanical CAD (2007)

Mt Pleasant Area Technical Center: Junior Year HS

Architectural CAD (2006)