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Summary - Dependable and dedicated welder fabricator with broad experience in a variety of disciplines, possessing exemplary computer design skills and exceptional attention to detail.

Experience & Achievements

Tolan Machinery Co., Inc.

(Oct. 2020 – Present)

Welder Fabricator – Manufacturing Dept.

- Manufacturing ASME Code Pressure Vessels, Petrochemical Storage Tanks, Jacketed Reactors, Heat Exchangers, Mixing Vessels)
- Welding (open root pipe, thin gauge plate, slip flanges, long seams, etc.)
- Fabrication of various vessel components (such as: media junctions, customer connections, reinforcing pads, alcoves, etc.)
- Cut and shape metal using various hand tools and power tools
- Solved various manufacturing issues that deal with product assembly.
- Rigging and lifting of heavy vessels using overhead and jib cranes

Selco Manufacturing Corp.

(May 2020 – Oct. 2020)

Designer – Engineering Dept.

- Computer Aided Design (w/ AutoDesk Inventor & Advance Steel), 3D modeling of infrastructure projects and electrical junction boxes
- Composing Bill of Materials in Excel and linking them to their respective CAD models (M1CADLink)
- Drafting shop drawings from 3D models for use in fabrication and production
- Diagnose and resolving issues related to the CNC Layout Table
- Coordinate with Project Managers for project specifications, deadlines, material acquisition, production, etc.
- Review and revise engineering drawings to ensure they meet customer requirements and company protocol
- Composed company training documents (Walk-throughs, flow charts, etc.)

Sundyne, LLC.

(Mar. 2017 – May 2020)

TIG Welder Intermediate:

- Fabrication (pipe supports, tube bending, drilling and tapping, etc.)
- Welding (open root pipe, unistrut supports, socket welds, cladding etc.)
- Functional testing of machines (pressure tests, lube oil screening, flare tests)
- Rigging and hoisting of heavy components using 20ton over head & jib cranes

HandHammer Speed Shop

(Jan. 2017- Feb. 2017)

Welder/Fabricator:

- Fabrication (C-notch frame modifications, air-bag suspension mounts, etc.)
- Welding (Motor mounts, frame supports, axle perches, etc.)
- General repairs and service on passenger vehicles

PBA Engineering, P.C.

(May 2007-May 2016)

Structural Draftsman:

- Computer-aided Design (w/ AutoCAD), composed blueprints & detail drawings for office buildings and other structures
- Inspected premises of newly purchased buildings to allot for redesign of interior spaces
- Archiving & Digitalizing blueprints and other engineering documents of previous jobs

Skills

- Fabrication and Welding (GTAW 6G, Dual Shield Stainless MIG & cladding certifications)
- Ability to read & create blueprints, production drawings, and Piping & Instrumentation Diagrams
- Computer-Aided Design (Programs include: AutoDesk Inventor, Advance Steel & Fusion360, SolidWorks, and Pro-Engineer)
- 3-D Printing Knowledge
- Written Machine Code for CNC Machines (G-code)
- Time Management & Organization

Education

Metropolitan State University of Denver

(Aug. 2018 – Aug.2019)

- *Bachelor of Science (Mechanical Engineering)*

Lincoln College of Technology

(Graduated: Mar. 2017)

- *Welding Technology Diploma*

New Jersey Institute of Technology

(Sept. 2013 - May 2014)

- *Bachelor of Science (Mechanical Engineering)*

University Of South Carolina

(Aug. 2009 - 2011)

- *Bachelor of Science (Mechanical Engineering)*

CDM Institute

(Graduated: Aug. 2007)

- *Drafting & Design with 3-D Modeling (Certification from Autodesk)*