

ERIC SCHNEIDER
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Objective

My goal is to use and grow my skills and experience to continuously improve the productivity, quality and profitability of the Engineering team and company, and to serve the needs of the entire company in any way I can.

Professional Experience

Tons Per Hour, Mound House, NV

August 2019 to January 2021

Mechanical Designer/Modeler

- Designed mineral processing systems and related housing structures using SolidWorks3D solid modeling software.
- Created detailed step by step component/system installation instructions.
- Improved re-usability of existing models via advanced SolidWorks functionality.
- Physical assembled pump/motor/skid including correct adjustment and alignment of power transfer system (belts/sheaves, direct drive, etc.).
- Developed model assemblies of entire line of pumps.
- Designed, document, source and assemble prototype sealing system for slurry pumps.
- Performed Field calls to acquire measurements and/or assist in component installation.
- Personal projects for company sole owner.
- Any other tasks assigned.

XP Power, Minden, NV

May 2017 to August 2019

Manufacturing Engineer

- Designed and streamlined processes used in the production of high voltage converters.
- Identified areas of waste and designed improvements according to Lean Manufacturing.
- Worked with team members from all departments and Corporate leaders on larger projects such as Kaizen Events, product development, and process development.
- Selected, assisted in selecting, and recommend tools, machines and processes.
- Designed tooling and fixtures to support machines and processes used in production.
- Created and maintained detailed drawings and work instructions for products, processes, tools and machines.
- Troubleshoot and solved mechanical production issues as they arose.
- Wrote detailed reports and emails including pictures, charts, tables, flow charts, etc.

Jensen MetalTech, Sparks, NV

December 2012 to May 2017

Designer/Drafter

- Reduced manual weld time by 60% by implementing locating features.
- Captured standard design information,, standard operating procedures (SOP), "tribal knowledge" and other necessary information and stored it in a mutually accessible, secure, internal wiki.
- Started weekly Engineering meeting for problem solving and idea sharing.
- Programmed several VBA macros to automate repetitive tasks.

- Included bend information on drawings to almost completely eliminated bend deduction errors.
- Added equations to SolidWorks parts and assemblies to greatly reduced time and errors when creating derived designs.
- Standardized features in models of parts and assemblies thereby allowing the use of pre-drawn standardized details.
- Implemented a design and drawing checklist in the order operations needed to be performed. Checklist confirmed all necessary information had been included.
- Instituted a peer review program prior to releasing production drawings that also utilized the aforementioned checklist.
- Conceived a pre-detailed and pre-checked collection of 16 versis of the standard product resulting in a significant reduction in time required to produce submittal and production drawings as well as greater accuracy and reduced rework.
- As a result of the above, April 2017 Engineering had the first ever zero rework month of any department.
- Trained other designers and production workers.
- Provided help and support for product design and SolidWorks use.

Custom Metric Accessories, Sparks, NV January 2011 to February 2015
Owner

- Identified a void in the marketplace that needed to be filled.
- Conceived and designed the product line.
- Sourced all parts and services and materials.
- Packaged combinations of parts according to fit by year.
- Created promotional and instructional literature.
- Created logo and branding for entire company.
- Created online store website that accepted credit cards and PayPal.
- Assured customer satisfaction, handled customer inquiries and support calls.
- Oversaw day to day business of accounting, bills, taxes, business license, etc.

Craziation Designs, LLC, Sparks, NV January 2011 to February 2015
Owner

- Sold and produced of websites according to customer requirements.
- Search engine optimization (SEO).
- Created logo and branding for websites, business cards, and promotional material, etc.
- Created online stores website that accepted credit cards and PayPal.
- Assured customer satisfaction, handled customer inquiries and support calls.
- Oversaw day to day business of accounting, bills, taxes, business license, etc.
- Maintained computer systems, websites, and web server configurations.

Education

Truckee Meadows Community College Fall 2006 to Fall 2008
 Networking Program Cisco LAN/WAN Technologies, MCSE, Unix/Linux server and PC systems technology and technical support.

Truckee Meadows Community College Spring 1997 to Spring 1999

Engineering Drafting Program Drafting principals and techniques with emphasis on mechanical drafting and AutoCAD.

Additional Qualifications

Certificates

- CompTIA A+ Certified PC Software and Hardware Technician
- Lean Manufacturing Certificate from SimpliLearn – 20 hour online course
- CSWA Certified SolidWorks Associate, certificate: C-GMGERM7WNF
- CSWP Certified SolidWorks Professional, certificate: C-AHL8GJEM7B

Software Proficiency

- Microsoft and Linux Operating Systems
- Microsoft Office
- SolidWorks
- AutoCAD
- Adobe CS
- CAD/CAM

Skills

- GDT
- G Code (3 and 5 axis)
- VBA, C, AutoLISP/ActiveX, programming
- Troubleshooting
- Mechanical
- Fabrication with various materials
- Rapid prototyping

Patents

- Stormwater treatment apparatus and method
Patent date Issued Feb 21, 2006 Patent issuer and number us 7,001,527
- Box security cover and box
Patent date Filed Aug 12, 2014 Patent issuer and number us 14/457939

Tools

- Complete set of mechanics tools
- Electronics tools and meters
- Precision measuring
- MIG welder, arc welder, oxy/acetylene
- Power tools
- Air tools
- Diagnostic tools

Many other assorted tools.Many other assorted tools.Summary

I am professional Mechanical Designer, experienced, well established, extremely creative, innovative and resourceful. I have a wide set of skills with a focus on Lean Manufacturing, process streamlining, mistake-proofing and design automation. Coming from a shop background, I am as comfortable working with my hands as I am with my head. I am always willing to explore, learn new skills and try new ideas.