

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 and documented mineral processing systems and related housing structures using SolidWorks3D solid modeling software. Top level systems take four to eight months from beginning of Design phase to turn key.
- Created detailed step by step component/system installation instructions.
- Improved re-usability of existing solid models in library via intelligent relationships, linked values, equations, configurations, etc.
- Physical assembled pump/motor/skid including correct adjustment and alignment of power transfer system (belts/sheaves, direct drive, etc.).
- Developed assemblies of entire line of pumps for use in on-line catalog, top level systems, product literature, etc.
- Designed, document and source prototype sealing system for slurry pumps. Assemble and install prototype sealing system for testing.
- 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 miniaturized 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 to be used in production.
- Designed tooling and fixtures to support machines and processes used in production.
- Created, updated 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. to effectively communicate with people within and outside of XP Power.

Jensen MetalTech, Sparks, NV
Designer/Drafter

December 2012 to May 2017

- Reduced manual weld time by 60% by implementing locating features such as tab and notch. This eliminates the need to measure and mark for locating and mistake-proofs assembly and weld.
- Captured standard design information,, standard operating procedures (SOP), “tribal knowledge” and other necessary information and stored it in a mutually accessible, secure, internal wiki. Included items like forming guidelines (standard punch and die selection for given materials, machine capacities, etc.), standardized drawing layout to eliminate interpretation errors in production operations (example: parts oriented on drawings as the machine operator would see them when loaded on his machine).
- Started weekly Engineering department meeting to encourage problem solving and idea sharing (round robin). Also used by management to review KPI's, rework expenses and sources, etc.
- Programmed several VBA macros to automate repetitive tasks. Tasks generally include updating title block, revision block, custom properties (many appear in title block), insuring that material description matches that of material part number, calculating weld bead spacing, etc.
- Included bend information on drawings to make visually checking possible. Almost completely eliminated bend deduction errors.
- Added equations to SolidWorks parts and assemblies. This greatly reduced time and errors when creating new, similar designs. Greatly reduces toe opportunity for human error.
- Standardized features in models of parts and assemblies thereby allowing the use of pre-drawn standardized details. This reduces the time required to create production drawings. Standardizing also provides consistency to production workers. Drawings and parts look and fit as previously seen on a consistent basis.
- Implemented a design and drawing checklist. Design check list was in the order of operations needed to be performed to have the correct outcome. Drawing checklist was to confirm all necessary details and information had been included and correctly presented.
- 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 versions of the standard product. These serve as the basis for new variations of standard products and have all automated features applied to them for maximum efficiency and errors reduction. The result was a significant reduction in time required to produce submittal drawing and production drawings as well as greater accuracy, greater consistency of parts and drawing information presentation, and reduced rework.
- As a result of the above, April 2017 Engineering had the first ever zero rework month of any department.
- Trained and 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 (an improved clutch cable system for older VW's).
- Sourced all parts and services including stainless steel cable assemblies with custom threaded studs on both ends, precision ground shafts, laser cut and formed arms, fusion welding, spherical rod ends, and various other components.
- Packaged combinations of parts according to fit by year.
- Created promotional and instructional literature.
- Created logo and branding for website, business cards, promotional material and instructional literature, trade show banner, etc.
- 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 promotional and instructional literature.
- Created logo and branding for websites, business cards, and promotional material, etc.
- Created online store website that accepted credit cards and PayPal.
- Created programs (PHP and JavaScript) that ran inside content management systems (CMS) to extend functionality, provided free to the public.
- 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.

Nevada Association of Employers

Spring 1997

Supervisory Skills Skills and strategies for being an effective leader in today's workplace.

Skillpath Seminars

Fall 2003

Graphic Design Design and layout concepts of great looking publications.

Skillpath Seminars

Fall 2003

Adobe Photoshop Introductory concepts of Adobe Photoshop, ImageReady and InDesign.

Sierra Nevada Computers

Spring 2004

Adobe Photoshop I and II Intermediate and advanced concepts of image editing using Adobe Photoshop and InDesign.

Sierra Nevada Computers

Spring 2004

Adobe Illustrator I and II Intermediate and advanced concepts of creating and editing images using Adobe Illustrator.

SimpliLearn

Spring 2017

Lean Management. Management skills in Lean and Lean Management concepts, and how to apply these skills in your organization.

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
- Joomla CMS
- WordPress

Skills

- GDT
- G Code (3 and 5 axis)
- VBA, C, AutoLISP/ActiveX, programming
- HTML/CSS/JavaScript/PHP
- Web server administration
- Wired/wireless networking
- 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 torch
- Power tools
- Air tools
- Diagnostic 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.