ROBERT SMITH

Senior Mechanical Designer/Project Manager

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SUMMARY

Mechanical Design, Mechanical Engineering, 3D Printing, Mechanical Inventions. Senior Mechanical Designer/Project Manager with 7years of experience in the field of design & detail engineering, known for strong analytical skill & the ability to quickly acquire new product knowledge. Experience in providing Design Concepts, calculations and 2D & 3D drawing creations. Basic knowledge for solid work & Pro Engineer.

SKILLS

AutoCAD and Autocad Mechanical 2015, Solidworks 2015.

WORK EXPERIENCE

Senior Mechanical Designer/Project Manager

ABC Corporation - October 1992 – August 1994

- Extensive design technology and manufacturing of Vertical and Horizontal Shaft High-Velocity Impact Crushers and associated components, castings, precision machinery, and other heavy mining, structural steel, and industrial equipment.
- Analyze and investigate pertinent design factors such as ease of manufacturing, availability of materials and equipment, interchangeability, replaceability, strength weight efficiency, and contractual specification requirements.
- Design and produce layouts of complex assemblies, detail parts of devices, mechanisms and structures of high-velocity impact rock crushing manufacturing equipment.
- Develop new product, process and service concepts.
- Provide technical advice and project leadership to management.
- Strong customer, internal, and subcontractor interface and coordination.
- Communicate with line manufacturing engineering regarding tool needs and change orders.

Senior Mechanical Designer

ABC Corporation - 1987 – 1992

- Participated in the team as senior lead designer to develop 39 long insulated jib boom that enabled customer crane to reach 204 while personnel worked with energized 765kva power lines.
- Performed all CG, fiberglass and weldment calculations using MathCAD.
- Worked hands-on with the design team for foreign customer projects to develop a product line of four road pavers including the U.S.
- market analysis, AutoCAD Inventor 2009 solid modeling, drawings, and BOM.
- Assisted manufacturing personnel to resolve issues during proto-type unit assembly.
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SCHOLASTICS

- Associates in Science & Drafting Technology - 1985 (South Plains College - Levelland, TX)

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