



Job Title:	3D CAD Designer
Employment Status	Full-time (40 hours per week)
Location	Dayton, OH
Essential Duties and Responsibilities	<ul style="list-style-type: none"> <li>• Convert 2D drawings to 3D models</li> <li>• Reverse Engineer obsolete or complex geometry into 3D CAD geometry for 3D printing/additive manufacturing, design modifications, inspection, or to capture design intent</li> <li>• Create 3D models from 3D scanning geometry</li> <li>• Assist with 3D scanning and processing of 3D objects</li> <li>• Assistance will also be required with research and development, modeling and simulation, as well as business development activities related to 3D Scanning, Reverse Engineering, and Quality Inspection</li> <li>• Other responsibilities as assigned</li> </ul>
Skills, Proficiencies	<ul style="list-style-type: none"> <li>• Strong SolidWorks modeling and reverse engineering experience required</li> <li>• Must possess the ability to read and interpret 2D drawings/blueprints, including GD&amp;T and BOM callouts for conversion to 3D models</li> <li>• Must be familiar with defining and communicating engineering tolerances within 3D models or 2D drawings and per ASME Y14.5 standard</li> <li>• Strong organizational and configuration management skills</li> <li>• Geomagic Design X, PolyWorks, or other CAD experience desired</li> <li>• Finite Element Analysis experience desired</li> <li>• 3D scanning or 3D printing experience desired</li> <li>• Product Lifecycle Management (PLM) familiarity desired</li> <li>• Familiarity with ISO 9001/AS 9100 Configuration Management procedures desired</li> </ul>
Minimum Qualifications	<p>Associate Degree in an Engineering or related field            Certified SolidWorks Associate Level Training (Professional or Expert desired, Model-Based Design a plus)            5 to 10 year's experience</p>
Citizenship Requirement needed	US Citizenship Required Available for immediate hire

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