



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"> • Convert 2D drawings to 3D models • Reverse Engineer obsolete or complex geometry into 3D CAD geometry for 3D printing/additive manufacturing, design modifications, inspection, or to capture design intent • Create 3D models from 3D scanning geometry • Assist with 3D scanning and processing of 3D objects • 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 • Other responsibilities as assigned
Skills, Proficiencies	<ul style="list-style-type: none"> • Strong SolidWorks modeling and reverse engineering experience required • Must possess the ability to read and interpret 2D drawings/blueprints, including GD&T and BOM callouts for conversion to 3D models • Must be familiar with defining and communicating engineering tolerances within 3D models or 2D drawings and per ASME Y14.5 standard • Strong organizational and configuration management skills • Geomagic Design X, PolyWorks, or other CAD experience desired • Finite Element Analysis experience desired • 3D scanning or 3D printing experience desired • Product Lifecycle Management (PLM) familiarity desired • Familiarity with ISO 9001/AS 9100 Configuration Management procedures desired
Minimum Qualifications	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
Citizenship Requirement	US Citizenship Required
Requirement needed	Available for immediate hire

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