Title of DTI Project

Digital Design and 3D scanning - bespoke wooden frame furniture

Role Profile/Job Description

Digital Design Intern – Bespoke Furniture Innovation Project Join a heritage UK furniture maker in a hands-on digital transformation project. You'll help digitise handcrafted sofa frame designs using 3D scanning and CAD tools – preserving traditional quality while modernising how products are made. What you'll do: Scan and model existing furniture frames in 3D to create digital twins Build a catalogue of CAD-ready designs for future production Test and recommend the best tools for scanning, modelling, and CNC machining Work alongside expert craftsmen to prototype from your digital designs Present your process and findings to help secure future innovation funding You'll need: Experience in 3D scanning and CAD (e.g., SolidWorks, Rhino, Fusion 360) A problem-solving mindset with great attention to detail Confidence documenting workflows and recommending tools Interest in furniture, product design, or manufacturing (woodworking knowledge a plus – training provided) Why it matters: This project supports a long-standing UK maker in building digital design assets to improve quality control, reduce waste, and scale sustainably. Backed by Made Smarter, you'll help shape the future of British craftsmanship.

Duration of internship

300 hrs

Business Overview

The client is a distinguished UK manufacturer specialising in bespoke, handcrafted Chesterfield furniture. With a heritage dating back to 1780 and a strong commitment to traditional craftsmanship, the business now seeks to adopt digital technologies that preserve quality while enhancing control over production processes.

Skills required

Experience in 3D scanning and CAD (e.g., SolidWorks, Rhino, Fusion 360) A problem-solving mindset with great attention to detail Confidence documenting workflows and recommending tools Interest in furniture, product design, or manufacturing (woodworking knowledge a plus – training provided)

Location

Lancashire

Start date

01/09/2025