

# MADE SMARTER

## Digital Technology Internship Placement

### Employer Information:

'Made Smarter' is a Government funded programme, matching your expertise, skills, and insight to help North West businesses implement digital tools. You will be working on a live project while gaining valuable experience for your C.V.

**Placements are open to 3<sup>rd</sup> and 4<sup>th</sup> Year Undergrads, MSc, and Postgraduate Students**

### Placement Information

<b>Job Title:</b>	Data & Systems Integration Project  - Integrating a new CAD design add on.
<b>Business Overview</b>	The company was established in 1995 as a family run joinery manufacturer with fantastic customer focused values and a skilled workforce, however it lacked development throughout the years. Since 2018 they have been developing their technology and processes and are systematically working through each area of the business to maximise the potential output of each department by utilising technology and training.
<b>Location:</b>	Worsley, Greater Manchester
<b>Number of posts:</b>	ONE
<b>Job Description:</b> <i>Please include as much information as possible including main purpose and detailed duties/responsibilities</i>	<p><b><u>Project Overview:</u></b></p> <p><b>1. The integration of Ongaa CAM software to the company's CAD design process:</b></p> <p>Issue:</p> <ul style="list-style-type: none"> <li>The company has currently hit a ceiling in terms of their output due to several inefficiencies; these can all be addressed by technology or additional resource.</li> <li>The biggest inefficiency they currently have is a breakdown in system communication between their design software and the CNC routing machine.</li> </ul> <p>Solution:</p> <ul style="list-style-type: none"> <li>Ongaa CAM allows Solidworks models to be transferred directly to the CNC for routing. This means there will be minimal human input required to the program once the design is live and in production, meaning: <ul style="list-style-type: none"> <li>Reduced production time</li> <li>Reduction in human errors</li> <li>The capabilities of the machine become the limit of output rather than the skills of the operator.</li> </ul> </li> </ul>

	<p><b>2. A Digital technology review for each area of the business:</b></p> <p>Issue:</p> <ul style="list-style-type: none"> <li>• After an initial influx of change between 2018 and 2020, advancement and technology improvements has slowed to a stop. Meaning the business has been at a stand-still for 6-9 months.</li> </ul> <p>Solution:</p> <ul style="list-style-type: none"> <li>• A full review from an external party of internal processes and technology to look at potential areas of improvement with efficiency as a key driver.</li> </ul> <p>The company have several areas where digital technology isn't being utilised causing waste, defects, and time delays. A digital review could unearth faster, more effective ways to solve them.</p> <p><b>The work plan will be split into phases:</b></p> <ol style="list-style-type: none"> <li>1. Familiarisation and analysis of current processes</li> <li>2. Design: How will it look for the company? What functions will they use?</li> <li>3. Develop: Create a model suitable for process implementation</li> <li>4. Test Phase: Ensure models work with prototypes</li> <li>5. Implement: Implement new system</li> <li>6. Post implementation analysis: Analyse model strengths, weaknesses, and MI</li> </ol>
<b>Expected areas of knowledge:</b>	<p>Specialise in CAD design and ideally have experience of Solidworks.</p> <p>A keen interest in technology and innovation to identify and assist with processes.</p>
<b>Salary:</b>	£12.00 p/h (£5,760 per placement)
<b>Placement Start Date:</b>	As soon as possible – May 2021
<b>Duration of Placement:</b>	480 Hours on a full-time, part-time, or flexible schedule
<b>Additional Info:</b>	<p>You will be required to register your interest in a Digital Technology Internship with Made Smarter on our website at: <a href="http://www.madesmarter.uk">www.madesmarter.uk</a></p> <p>C.V's can be uploaded at the point of registration. Your details will be stored to allow us to contact you for any future suitable opportunities.</p>