



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 3rd and 4th Year Undergrads, MSc, and Postgraduate Students

Placement Information

Job Title: Reference: 115Y	Digital Transformation – Multiple Projects
Business Overview	<p>Founded in 1984 the company offer customers a range of specialist precision engineered services including:</p> <ul style="list-style-type: none">• 3D Computer Design – using Solid Edge, Auto Desk and CAD CAM Fusion 360 Solid Edge Software• Prototype, sampling & volume production• 3D Print Service: Fortus 360, Markforged X7, Form Lab 3• Jigs and tooling• Product Testing Design and development of testing equipment• 3 and 4 Axis CNC Machining of ferrous/non-ferrous/composite materials• Reverse engineering of obsolete parts• Injection moulding• Laser marking <p>The company operates from a modern 10,000 sq ft facility with 14 full-time team members, offering a complete service from design to manufacture utilising 3D Prototype Modelling through to full scale production.</p> <p>The company have developed several innovative and patented products that are still in current production.</p>
Location:	Ashton under Lyne, OL6 6UY
Number of posts:	ONE
Job Description:	<p>Project Overview:</p> <p>The successful intern will work alongside the managing director and production manager in the following digital transformation projects to design and develop customer products and improve workshop efficiency using the following:</p> <p>CNC programming, Computer Aided Manufacture with Fusion 360 Use of 3D printers Markforged X7, Fortus 360, and FormLab3 Cloud based shop floor data collection system (SFDC)</p>

	<p>The work plan: Work on Solid Edge, Fusion 360 software, programming CNC machinery, 3D print suite and SFDC. Each project is a new opportunity to learn and will give the intern the ability to develop new and existing skills.</p> <p>Shop Floor Data Collection System: The company have implemented a shop floor data collection system which removed duplication and paperwork, increased efficiency and produces accurate data to improve their production process by changing their current system which involved physical handling of work instructions. The intern would assist in maintaining hardware, training operatives, logging faults, testing fixes. Running updates, running reports, data analysis.</p> <p>Fusion 360 - Design Jigs to improve workshop efficiency: Assist the team to improve workshop efficiency by way of designing and machining jigs using Fusion 360.</p> <p>CAD/CAM CNC programming and operating machinery: Assist in programming and setting up machines.</p> <p>Additive Manufacturing: Assist with the 3D print technology to produce prototypes, small production runs and jigs.</p> <p>Permanent full time employment opportunity for the right candidate, following a successful internship.</p>
<p>Expected areas of knowledge:</p>	<ul style="list-style-type: none"> • Fusion 360 experience is essential • Computer Aided Manufacture with Fusion 360 create drawings and CNC programs using the provided CAD/CAM • Produce and check CAD Drawings, ensuring high levels of accuracy • 3D printing • Engineering Qualification is desirable
<p>Salary:</p>	<p>£12.00 p/h (£5,760 per placement)</p>
<p>How to apply:</p>	<p>By e.mail to Amanda Lyons, Made Smarter DTI Placement Manager at: amanda.lyons@growthco.uk</p>
<p>Placement Start Date:</p>	<p>As soon as possible – Sep 2021</p>
<p>Duration of Placement:</p>	<p>480 Hours on a full-time, part-time, or flexible schedule</p>
<p>Additional Info:</p>	<p>You will be required to register your interest in a Digital Technology Internship with Made Smarter on our website at: www.madesmarter.uk</p> <p>C.V's can be uploaded at the point of registration or forwarded directly. Your details will be stored to allow us to contact you for any future suitable opportunities.</p>