MADE SMARTER

Digital Technology Internship Placement

Employer Information:

'Made Smarter' is a Government funded pilot 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:	Application Engineer
Business Overview	The client is a privately owned Limited Company, employing 118 employees, producing wood-based metal-ruled dies (tools) and metal engraving tools, mainly for the printing and packaging production industries. They service the UK, Europe, and international markets.
Location:	Stockport, Greater Manchester
Number of posts:	TWO
Job Description: *Please include as much information as possible including main purpose and detailed duties/responsibilities*	2 x Application Engineers for the development of WEBcnx for the manufacturing shop floor. WEBcnx is a task driven, framework application, integrated with the CAD/CAM software used for the manufacturing of die-cutting tools for the packaging sector and developed by Arden Software. WEBcnx is currently only commercially available for fibreboard packaging producers in folding carton and corrugated packaging manufacturing. This project involves using and building upon the open task framework in the product to develop a solution suitable for managing the manufacturing processes within the die-making sector. The development of this new die shop solution will include the digital transformation of the established manual and paper-based systems into tasks and workflow automation within the software and using the experience and expertise of the client as a leading name in the global die-making industry to assist in commercialising a market-ready product for the future. The project will be split into a number of phases: • Analysis of current workflows and processes and gathering of KPI data • Digital transformation of the current "Job Ticket" Sales Order system • Managing beta-stage user acceptance testing, refinement and usage analysis of the solution • Development of Industry 4.0 Smart Tool system and live press-to-web data collection using near-field equipped tooling • Customer portal with pre-flighting of tooling requirements, automated complexity analysis and quoting • Workload planning and scheduling.

	The key objectives with implementing a WEBcnx solution are the streamlining of business processes, eradicating errors caused by duplication of data entry and moving to a paperless office system. Access and transparency of data is significantly improved. Following full product training and orientation to the intern, the digital transformation process will involve looking at each existing Works Order and manufacturing form and building out the digital replacements for these. The size and complexity of these varies depending on the process.
Expected areas of knowledge:	• Programming or scripting language such as VBScript, JavaScript or C# • Relational Databases and Structured Query Language (SQL) • Excellent verbal and written communication skills is a must in order to explain technical topics to non-technical clients/users • Good general I.T skills • Strong troubleshooting skills and diagnostic capabilities • Self-motivated and able to work with minimal supervision, both remotely and on site in Marple (COVID-secure).
Desirable Skills:	• Experience with application programming interfaces (APIs), or standalone application development on any platform • Foreign language, preferably German, due to strong demand for a European wide solution • Experience in one or more of the following technical areas: network configuration; web technologies; technical documentation writing; in-depth knowledge of Windows and Windows Server platforms; Windows Services; SSIS. • Experience in the packaging industry is an advantage
Salary:	£12.00 p/h (£5,760 per placement)
Placement Start Date:	As soon as possible
Duration of Placement:	480 Hours on a full-time, part-time, or flexible schedule