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

Role Title:	Big Data and Analytics Project **Reference: 326Y**
Business Overview	Formed in 1946, the company is a preeminent specialist Maintenance, Repair and Overhaul (MRO) organisation that enables their customers and end users to support their products, systems, and platforms, many of which have critical status for extended periods, to and often beyond the products natural lifespan. Operating in the Global Defence, Nuclear and Oil & Gas industries, they utilise their extensive knowledge and supporting supply chain to maintain a continued availability of components, which ensures a product life extension for their customers as well as specialist knowledge in the sourcing of obsolete/difficult to source components. As a sustainable, profitable, private company with a rich past and secure future, they are committed to extending certainty for their customers, their products, projects, and needs. From their 22,000 square ft. manufacturing facility based in Worsley, Manchester, the company offer both a flexible and responsive service to their customers.
Location:	Worsley, M28 2QB
Number of posts:	ONE
Job Description: *Please include as much information as possible including main purpose and detailed duties/responsibilities*	This project is part of a Government Industrial Strategy Funded Project, working in partnership with BAE Systems, Rolls Royce, GKN, Nissan, and Airbus UK. The aim is to remove paperwork from the shop floor, using technology to improve efficiency within their operations and ultimately deliver better value to their customers. Integration of Digital Technology, and initiate a connected facility where decisions are made based on live accessible data presented across all areas of the business from a central location for users to access, interact and analyse up-to-date information to enable smarter, data-driven decisions. Their factory consists of highly capable legacy equipment that needs to be connected to gather data to better enable decision making (descriptive

	analytics) or use the data to make beneficial changes for the future (Predictive maintenance).
	Objectives:
	Data Visualisation (bespoke dashboards) – Developing Data Analytics (create Dashboards), Review and revise outputs
	Control Room Enhancement of Operational Controls / Reports – Create formats and links, Review and revise controls – launch and enhance.
	A Task Driven Project Plan will be supplied.
Expected areas of knowledge:	**Essential:** • A good level of mathematical ability • Reasonable level of Data Science Knowledge • Structured Query Language (SQL) • Microsoft Excel • Critical Thinking • R or Python-Statistical Programming • Data Visualization • Virtualisation • Presentation Skills • Machine Learning • The ability to analyse, model and interpret data • Problem-solving skills • A methodical and logical approach • The ability to plan work, and meet deadlines • Accuracy and attention to detail • Interpersonal skills • Teamworking skills • Good written and verbal communication skills
Salary:	£12.00 p/h (£5,760 per placement)
How to apply:	By e.mail **quoting the reference** to Amanda Lyons, Made Smarter DTI Placement Adviser at: **amanda.lyons@growthco.uk**
Placement Start Date:	July 2021
Duration of Placement:	480 Hours on a full-time, part-time, or flexible schedule
Additional Info:	You will be required to register your interest in a Digital Technology Internship with Made Smarter on our website at: www.madesmarter.uk 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.