



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:	Systems Integration/Data Science - ERP
Business Overview	<p>Our client is a privately-owned company specialising in the production and supply of a variety of household laundry and cleaning products. They supply several national and international customers with their own brand of laundry and cleaning products.</p> <p>They have laboratory, blending and packing facilities at their Birkenhead premises to produce household, laundry and cleaning products. They develop, scale up and produce all their formulations in house for products to match briefs from their customers.</p> <p>They specialise in the development and production of environmentally friendly products using sustainable plant-based materials to match the performance of the big brands.</p> <p>The client supplies a number of household names such as Marks and Spencer, Suma and Wilko with their ranges of cleaning products. They also export products to Woolworths in South Africa and Niven Distribution in Barbados. They have the opportunity to develop and grow their customer base both in the UK and overseas as they expand upon their production potential.</p>
Location:	Birkenhead, Liverpool
Number of posts:	ONE
Job Description: <i>Please include as much information as possible including main purpose and detailed duties/responsibilities</i>	<p>Business Objectives</p> <p>At a high level, the client would like to:</p> <ul style="list-style-type: none">Optimise production from order receipt to product dispatchOptimise stock managementOptimise production planning and yields from, each of their production lines (2) and blending silos (3)Monitor costs of product to maintain profitabilityProvide clearly displayed information for all the necessary staff.

Intern Work Plan

Stage 1. Workshops with key managers to plan out the system requirements in greater detail than those in the ROM. During the workshop the supplier team at Langley Foxall, (including specialists in software design, development and project management), will work with the client to help them to identify their needs and prioritise features. Langley Foxall will consider the needs of all user groups, calling on their extensive experience to advise different ways that they can maximise value for money, and scope the software the client need. Langley Foxall will undertake various workshopping activities, including:

- Capturing the project goal
- Scoping business requirements in detail
- Mapping user flows
- Document user personas

Timeframe = 8 days approx.

Stage 2. Development and testing of the various modules to identify and remedy any issues and incorporate any additional information/processes that may be required.

Following the workshop Langley Foxall will enter the Design & Specification writing phase where they transfer the learnings into full prototype interactive wireframes and a comprehensive list of user stories. This will achieve a detailed visual and technical understanding, so that the client can see what the end result looks and performs like, before they begin development.

The designers will work with the client to understand the tone and branding of the business, making the wireframes personal to their brand. The modules to be developed will include:

1. Forecasting and order placement
2. Check raw materials are available and order if required
3. Order processing
4. Production scheduling
5. Batch production
6. Bulk storage
7. Production/Packaging/Bottling
8. Finished Goods Storage
9. Collection distributions
10. Cost management

Timeframe = 3 months approx.

Stage 3. Implementation of the system.

Once the system has been developed it will be implemented and will become live. The company intend to run both systems simultaneously as they train staff and slowly phase in certain areas of management. This would de-risk the implementation by reducing chances of failure or poor adoption. The supplier has agreed to work with the company on this.

Timeframe = 1 month

If successful there would be the opportunity to join the company once the internship has ended.

Expected areas of knowledge:

Bsc/MSc in an appropriate subject

Technical Knowledge

	<p>ERP system knowledge</p> <p>Big data analytics (internet of Things)</p> <p>Electronic device expertise</p> <p>Data management</p> <p>Ability to liaise with an external supplier, Langley Foxall, on installation/implementation of system</p> <p>Ability to liaise with internal staff</p> <p>Able to work independently and as part of a team</p> <p>Provide training/up-skilling to current staff</p>
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