


SUMMER PLACEMENTS - 2019

 Ormskirk, West Lancashire
 £250 per week



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We have several Summer student placements working on short term projects within R&D at our Lathom site. These opportunities would be ideal for students with a passion for technology who are studying for or about to begin a degree in a science or engineering discipline or who are interested in information resource/library management. Training will be provided where necessary. Placements will be for a minimum period of 8 weeks, commencing in summer 2019, however this may be extended by mutual agreement.

The Placements:

- A. Refractory testing project:** Includes sample preparation, analysis and interpretation of results - and glass making batch studies. Work may involve contact with manufacturing sites world-wide.
- B. Automotive Glazing Development:** Manufacture and testing of new automotive glazing products, and benchmarking competitor parts. The placement requires a student who can learn quickly, act independently, has an eye for detail and quality, and can produce clear and concise reports to communicate results to management.
- C. R&D Prototype facility:** Hands-on placement in a semi-manufacturing environment focused mainly on glass development projects for vehicles and will include glass handling around prototype process equipment for manufacturing car windscreens along with making detailed measurement and assessment of the samples produced.
- D. Material Properties:** The placement will be focused on a variety of topics including measurement of stresses in glass using photo-elasticity or strain gauging, mechanical testing of material strength, and computer programming in Excel and VBA
- E. Chemical Analysis:** The placement will focus on X-ray fluorescence to study the composition of refractory materials and will involve sample preparation using standard techniques.
- F. Information Resource Centre:** General administrative support, including data entry in Library Management Systems; Library stock review and updating; booking loans and returns and archive maintenance; searching of archive material.
- G. Manufacturing Information System:** The placement will involve the development of new software functionality and features using a variety of tools, primarily focussing on the application of data analytics and artificial intelligence technologies.
- H. Anti-condensation test:** Write the software for a data logger to collect data from a new anti-condensation test. The work will include programming and commissioning activities including verification tests to confirm that the equipment is functioning correctly.
- I. Coating Test Development:** Development of a method for evaluating scratch testing of sputter coatings including undertaking a repeatability and reliability study of the test.
- J. Wet Chemistry:** Deposit and evaluate the performance of new coatings using spin or dip coating lab equipment. Use a variety of tests to assess the functionality and durability of the coatings produced.

Benefits:

- Monday – Friday, 8.30 am – 5.00 pm with a one hour lunch
- Holiday entitlement – 2 days per month
- On site Car Parking and Restaurant
- On site fitness activities and events, yoga, football, Pilates, table tennis, golf society

A full UK driving licence and car ownership would be an advantage due to limited public transport to the site.

Please send your CV and covering letter to RecruitmentVacanciesUK@pl.nsg.com and quote reference **PTML-T19-01 followed by the corresponding letter(s) for the placement(s) you are interested in.**
Closing date 30th March 2019.