

VACANCY



POSITION: Modelling and Simulation Engineer
DEPARTMENT: McLaren Applied Technologies
CLOSING DATE: 2nd March 2012

At McLaren we believe that anything is possible. We know what it takes to win and we achieve this by working together and encouraging innovation in an extraordinary high performance environment.

McLaren Applied Technologies are looking for an exceptional Modelling and Simulation Engineer to manage, support and be responsible for simulation work on a number of projects in industrial applications as well as in motor racing and elite sports sectors. In this role you will be using your expertise to help MAT deliver innovative solutions in a range of high profile projects.

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Your principal responsibilities will be:

Industrial – modelling and simulations

- Develop and test real-time Simulink dynamics models of physical industrial systems (multi-body)
- Analyse and interpret data and simulation results
- Liaise with designers and engineers to validate models
- Report on findings

Motor sports simulations

- Develop, modify and test real-time Simulink dynamics vehicle models
- Prepare and update car components data
- Manage and contribute to ad hoc project work involving vehicle dynamics modelling and simulations

Elite Sports

- Plan and scope detailed requirements for projects
- Investigate, customise and integrate appropriate solutions, mainly in the areas of real-time measurement, data analysis, simulation and reporting
- Support clients with data analysis and interpretation

To be successful in this role you are likely to have the following skills and experience:

- Degree in Mechanical, Control or Applied Mechanics Engineering, 2.1 or above
- Detailed understanding of physical systems and capability to turn them into dynamic models
- Excellent working knowledge of Matlab and Simulink.
- Knowledge of any embedded systems would be an asset
- Relevant work experience in modelling and simulations ideally from an automotive environment and a keen interest in sports would be an advantage

If you think you have what it takes to excel in this role we would like to hear from you. Please send your CV and covering letter to Dr Caroline Hargrove caroline.hargrove@mclaren.com

Salary Guide £35,000-£40,000

Closing Date for applications is 2nd March 2012.