# *Joshua Hardy*

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***Skills and Areas of Expertise:***

Experience of working in Automotive and Motorsport Engineering sectors, proficient in the use of CAD, strong knowledge in CFD and FEA. Also have had training in FMEA, 8D, DVP and Value Added/Value Engineering. Currently a Design Engineer for a company that delivers components and products to OEMs worldwide.

Effective at using the following programs: Catia V5 and V6, Star CCM+, Hyperworks, fluent with Microsoft Word, Excel and PowerPoint. Also have knowledge of Solidworks design software.

Proven team leader, team player, effective and efficient communicator, innovative, driven, self-motivated, enthusiastic and a keen learner who can quickly get up to speed with new software packages and processes.

***Personal Statement:***A competent, committed, experienced Design Engineer and Motorsport Engineering graduate from a very strong Motorsport and Automotive background. Have invaluable experience of leading team projects, whilst performing these to the highest level of professionalism.

A consistent track record of successfully keeping within very strict schedules, employing the best business practices from previous experiences that improve efficiency, reduce costs whilst increasing productivity, all to tight time scales and within a set budget. Self driven and self reliant, sets targets and leads by example, positive approach with good interpersonal skills to engage, motivate and encourage others through change.

During university, a final year project entailed the design and manufacture of a Formula Student chassis using Catia V5 and Hyperworks software, as part of a team that I led. A second project involved the design and optimisation of a Ginetta race car for aerodynamic improvements using Catia V5 and Star CCM+ software. Other course modules involved Catia V5 modelling of components and simulating stress loads using finite element analysis (FEA), designing and simulating complete car handling dynamics and characteristics using ADAMS software, FMEA planning and presentations to classes.

***Employment History:***

1. ***Yazaki Europe Ltd. (July 2013 – Present)***

Unit D, Brandon Court, Progress Way, Coventry, CV3 2NT

***Responsibilities:***

My present full-time role as EDS Design Engineer entails me to work either at the Coventry head office or on the Jaguar Land Rover site alongside the customer on numerous different projects. Duties include; investigating, benchmarking, designing, optimising and integrating the wiring harness and components into the vehicle assemblies using Catia V5 and V6, verifying the design abiding by DVP and Design For Manufacture guidelines, creation and release of harness drawings, creation of circuit schematics and harness derivative complexity spreadsheets, processing and acting upon change information and directions provided directly from the customer and other suppliers and support prototype and mass production vehicle builds. I also attend meetings with the customer, internally, with the manufacturing plants and other suppliers to discuss designs, manufacturing, timings, issues and potential cost saving opportunities. In preparation for these meetings, I have developed PowerPoint presentations which I have delivered to the customer, suppliers and to internal management. On several occasions, I have provided on-the-job training to other members of staff, some of which are management, and have led a team in the early stages of a vehicle program. Travelling has also been an essential part of the job for both manufacturing build support and training purposes. This has given me the opportunity to meet and liaise with colleagues in Morocco, Portugal and Germany as well as in Liverpool, Bridgend and Solihull.

1. ***Halfords Ltd. (October 2012 – July 2013)***

36 Foleshill Road, Coventry, West Midlands, CV1 4NU

***Responsibilities:***

Employed as Key holder/Duty manager to serve and assist customers whilst effectively leading the sales team in all operations to the highest standard. My responsibilities included opening and locking up the store, cashing up the store takings, cycle building, servicing and repair and fitting car audio and maintenance parts. I also dealt with customer queries or complaints both in store and over the phone to arrive at the best outcome for both parties.

1. ***Century Motorsport (July 2011 – October 2012)***

7 The Barn, Manor Farm, Northend Road, Fenny Compton, Warwickshire, CV47 2YY

***Responsibilities:***

Employed as a Race Engineer for numerous drivers throughout two race seasons in Ginetta GT Supercup and British GT series in the UK and Europe. Interpreted race and testing data and driver feedback to enhance the vehicle’s performance by changing set-ups in relation to driver and circuit needs. Responsible for driver assistance, suspension and aerodynamic set-up changes, wheel/tyre changes and fuel stops during races.

1. ***Halfords Ltd. (July 2006 – July 2011)***

36 Foleshill Road, Coventry, West Midlands, CV1 4NU (September 2009 – July 2011)

3 Carlton Road, Worksop, Nottinghamshire, S80 1PH (July 2006 – September 2009)

***Responsibilities:***

As above.

# *Education:*

# *2009 – 2013 Coventry University, Coventry, West Midlands*

# Degree inMotorsport Engineering BEng (Hons.) – Upper 2:1.

# *2006 – 2008 Worksop Post 16 Centre, Worksop, Nottinghamshire*

3 A Levels – Physics (E), Mathematics (E), Design Technology (E).

# *2002 – 2006 Valley Comprehensive School, Worksop, Nottinghamshire*

10 GCSEs – Art (A), Mathematics (B), Science Dual Award (BB), Technology (B), English Language (C), English Literature (C), French (D), Geography (D) and Religious Studies (E).

# *Additional Work Experience:*

1. ***Stonacre, Turner Road, Worksop, S81 7AE*  
   *Responsibilities:***   
   Warranty servicing and repairs, component exchange, assisted MOT testing.
2. ***South Carlton Motors, 50 High Road, Carlton-in-Lindrick, Worksop, S81 9EB***

***Responsibilities:***   
Servicing and repairs, component exchange, assisted MOT testing.

1. ***David Howard Auto Body Repairs Specialist, Lincoln View Garage, Lincoln View, Worksop, S80 2NB*  
   *Responsibilities:***   
   Repairing accident damaged cars either for insurance companies or for independent clients.

***References:***

Available upon request.