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17/05/1991

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**Profile**

I am a Systems Engineer for Yazaki Europe working on multiple platform customer projects. I graduated from Coventry University in June 2014, with a 1st Class Honours degree in Automotive Engineering.

I lead the Systems design on a customer project, responsible for the delivery of circuit and fuse box architecture design in line with the project timing and Statement Of Work. Working across multiple vehicle platforms, I provide technical support for both customer vehicle builds and internal wiring harness production.

I am passionate about engineering design methodologies, with experience of implementing these through various projects undertaken at Yazaki Europe. I am currently seeking to progress my career in the engineering sector.

**Work Experience**

**June 2014 – Present Yazaki Europe Ltd**

**Systems Engineer**

* Leading Systems design, development and implementation on customer project.
* Adhering to internal and customer standards, procedures and gateways.
* Providing technical leadership to internal design team, whilst also being the technical point of contact for customer queries.
* Carry out vehicle electrical schematic design to customer specification in Autocad 2009 Vesys Classic design software.
* Responsible for managing the Systems team’s program timing and monitoring workflow. This timing is inclusive of Systems delivery to facilitate timely harness 2D drawing design and manufacture in line with the project MRD, as well as all Design Validation gateways which must be adhered to.
* Responsible for reporting project issues to senior management and request further resources where applicable.
* Analysing and communicating project MRD timing impact for late change requests received from our customer.
* Report out project metrics, progress, roadblocks via daily Nightletter to all project stakeholders leading up to releases.
* Produce system proposals as requested.
* Support drawing and manufacturing teams with design queries.
* Carry out architecture optimisation and validation.
* Design robust complexity into the System design.
* Review effects of System design on the product in 3D environment in Team Centre Visualisation Mockup and/or CATIA V5.
* Attend customer manufacturing facilities to support build events.

**Education**

**Sept 2011 – June 2014 Coventry University**

**BEng Automotive Engineering**

**1st Class Honours Degree**

* Individual Project: Worked with Microcab on a Hydrogen fuel cell electric vehicle (H2EV). The project covered many areas, such as software investigation, friction braking system analysis and characterisation, regenerative braking system investigation and experimentation, and drivetrain efficiency analysis via data obtained at Mira’s dynamometer facility.
* Group Project: Vehicle accessibility. The team investigated the accessibility of the Microcab vehicle, and provided a new seat design which provided greater accessibility. Meetings with our client and supervisor meant that we were able to assess and exceed our customers’ requirements.
* Final Year Modules:
  + Academic Writing Level 3
  + Professional Development & Management
  + Automotive Engines & Vehicle Aerodynamics
  + Vehicle Safety & Structures
  + Vehicle Dynamics:
  + Finite Element Analysis
  + Intelligent Transport Systems

**Interpersonal and Team Working Skills**

* Leading the circuit development on a customer project.
* Providing technical direction and support to team members.
* Providing feedback to seniors.
* Working to internal and customer deadlines.
* Communication with component owners to ascertain system requirements.
* Communication with overseas design and manufacturing facilities.
* Representing the company in customer meetings.
* Excellent time management skills
* Carry out staff inductions.

**Engineering Skills**

* System circuit/architecture design using Autocad 2009 Vesys Classic and customer Circuit management tool
* Component and system level design to customer specification
* Communication network integration: CAN, Flexray, LIN
* System optimisation for weight/cost save and electrical performance (i.e. Voltage Drop)
* Customer Database management and support
* Harness complexity and EDS Matrix management
* Wire option/WERs code optimisation
* Managing system updates via Engineering Change Request
* Carry out audits in conjunction with component/system owners
* Manage project circuit design workflow and project timing
* Design validation via RMDV. Carry out fuse blow/ volt drop analysis
* Adhere to all relevant SDS requirements and PDP processes
* 2D & 3D harness design support
* 12V and HV (BEV) design

**Engineering Software Experience**

* Autocad 2009 Vesys Classic
* CATIA V5
* Teamcentre Visualisation Mockup
* EDS Designer
* Device Transmittal Database
* Previous experience of Solidworks, Matlab/Simulink and NI Labview

**Practical Skills**

* Partake and lead system reviews
* Provide consultation in internal and customer meetings
* Build support in customer vehicle prototype factories
* Experienced user of Microsoft Office, including producing reports using Word, creating presentations using Powerpoint, inputting data into Excel spread sheets.
* I own a full UK driving license and have access to a car.

**References are available on request**

**Hobbies & Interests**

I enjoy going to the gym and going out cycling. As I am currently working in the Automotive Engineering sector, my passion is watching motorsports and reading Racecar Engineering. I love learning about how things work. I also enjoy listening to music in my spare time.