**William Crabb**

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**SUMMARY**

Design Engineer with 14 years of experience in the design of electrical harnesses. Experienced with Catia/TCE in developing and releasing harness CAD models to customer SDS requirements and internal DFM compliance utilizing AIMS system. Also previously an EDS engineer with experience of developing circuits, complexity and drawings. Familiar with customer GPDS program gateways and requirements. Experienced with trackside support during vehicle builds and mentoring harness production during development phases at manufacturing plants.

**SKILLS**

* Catia V5 R18
* Unigraphics Team Centre PLM
* Microsoft Project
* AutoCAD
* HP Solid Designer/ ME10
* Mentor Graphics Cap H
* Microsoft Office suite
* Unigraphics Capital Harness suit (CHS)
* Vis Mockup

**EXPERIENCE**

**FEB-2016 – PRESENT JLR SPECIAL VEHICLE OPERATIONS GAYDON**

**DESIGN ENGINEER ELECTRICAL (3D CAD HARNESS AND PACKAGING)**

* ARMOUR DIVISION PACKAGING FULL VEHICLE SET ELECTRICAL MODULES AND CREATING ALL HARNESS HARNESS MODELS.

**DEC 2013 – JAN 2016 LEONI WIRING (CONTRACTING) GAYDON**

**DESIGN ENGINEER (3D cad HARNESS DESIGN)**

* ELECTRICAL HARNESS DESIGN ENGINEER RESPONSIBLE FOR THE 3D CAD DESIGN AND DELIVERY OF D7A CROSS PLATFORM HARNESSES i.e. CABIN, BLOCK HEATER, REAR SUBFRAME, BUMPERS, ROOF LINER, EPAS, CAD TOOLS - CATIA V5 / TEAMCENTRE.

**JAN 2012 – NOV 2013 YAZAKI EUROPE JLR WHITLEY, COVENTRY /GAYDON**

**DESIGN ENGINEER (3d cad and 2d HARNESS DESIGN)**

* ELECTRICAL HARNESS DESIGN ENGINEER RESPONSIBLE FOR THE DEVELOPMENT AND RELEASE OF MODELS AND DRAWINGS OF BATTERY CABLES, ROOFLINER HARNESSES AND DOOR HARNESSES ON L538 16MY. CAD TOOLS - CATIA V5 / TEAMCENTRE.
* TOTAL CONTROL AND RESPONSIBILITY OF HARNESS DESIGN i.e. CAD AND EDS FOCUSED. EVOLVING DESIGN OF 3D CAD UTILSING AIMS SYSTEM AND DEVELOPING HARNESS PLANT’S DRAWINGS WITH ECR SYSTEM.
* CONVERSANT WITH CIRCUIT DESIGN AND COMPLEXITY DESIGN AND UTILISATION.

**2007 – 2012 LEAR CORPORATION JLR WHITLEY, COVENTRY**

**eds ENGINEER (2d HARNESS DESIGN)**

* ELECTRICAL HARNESS PROJECT ENGINEER RESPONSIBLE FOR DELIVERING TELEMATICS HARNESS, BATTERY CABLES, TSS CABLES, ENTIRE VEHICLE’S SPECIAL CABLE SUBASSEMBLIES i.e. RF CABLES AND CONNECTORS, ‘MOST’ FIBRE OPTICS, CAMERA LEADS.
* DRAWINGS, CIRCUITS AND COMPLEXITY DEVELOPED UTILISING ECR SYSTEM, AIMS SYSTEM. CHS CIRCUIT TOOL WAS TRIALLED.

PROGRAMS WORKED ON WERE L405/L494, X351.

**2001 – 2007 LEAR CORPORATION JLR WHITLEY, COVENTRY**

**CONNECTOR COMPONENT ENGINEER (HARNESS DESIGN)**

* CONNECTOR AND TERMINAL ENGINEER. RESPONSIBLE FOR SELECTION OF HARNESS TO HARNESS (INLINE) CONNECTORS AND GROUNDING EYELETS. CROSS PROGRAM SPECIALIST IN CONNECTOR SYSTEMS FOR HARNESS ENGINEERING TEAM TO UTILISE. MANAGED CRIMP VALIDATION WITH CUSTOMER INCLUDING THE DEVELOPMENT OF CRIMP VALIDATION PROCESS.
* TVM PROJECTS – RATIONALISING CIRCUITS THROUGH COST SAVING INLINE CONNECTOR SOLUTIONS AND GROUNDING SOLUTIONS.
* LEADING HARNESS PLANT IN DEFINING CAP H WITH CONNECTOR’S ASSOCIATED PARTS i.e. TERMINALS, SEALS, PLUGS ETC.

**1997-2001 HYPERTAC LTD (SMITHS INDUSTRIES) HENDON, LONDON**

**DESIGN ENGINEER (3d cad and 2d CONNECTOR DESIGN)**

* RESPONSIBLE FOR THE DESIGN OF AEROSPACE CONNECTORS. THIS BROKE DOWN TO ALUMINIUM SHELLS, POLYMER MOULDED INSULATOR BLOCKS AND TURNED OR STAMPED TERMINALS. ALSO NOISE SUPPRESSING ELECTRONIC FILTER COMPONENTRY. 3D CAD - HP SOLID DESIGNER/ 2D CAD HP ME10.
* TRAINED IN PROJECT MANAGEMENT TO TAKE RESPONSIBILITY FOR PLANNING AND QUOTING FOR DEVELOPMENT WORK FOR NEW BUSINESS.
* ONSITE PROTOTYPING - MILLING AND TURNING FACILITIES GAVE INSTANT 2 WAY COMMUNICATION WITH CAD/CAM ENSURING DFM WAS ACHIEVED.

**1994-1997 CREATIVE PLAY LTD MOLD, DENBIGHSHIRE**

**ENGINEER/ILLUSTRATOR**

* RESPONSIBLE FOR CREATING SITE PLANS AND HAND DRAWN ARTISTIC IMPRESSION OF PLAYGROUNDS FOR TENDER.
* IMPLEMENTED ENGINEERING DISCIPLINE INTO A SMALL FAMILY RUN COMPANY WITH CREATING A DRAWING OFFICE AND DEVELOPING CHANGE CONTROL AND DRAWING MANAGEMENT. CAD TOOLS – AUTOCAD.
* WORKING ONSITE WITH INSTALLATION TEAM TO ENSURE CORRECT REGULATIONS WERE MET AND SITE PLANS WERE ADHERED TO.

**EDUCATION**

**1990 – 1994 LIVERPOOL UNIVERSITY**

2:1 BENG HONS – MECHANICAL ENGINEERING

**1983-1990 DENBIGH HIGH SCHOOL**

A-LEVELS IN MATHS PHYSICS, CRAFT DESIGN TECHNOLOGY, 9 GCSE PASSES. **REFERENCES AVAILABLE ON REQUEST.**