Marc Stapleton

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**PERSONAL STATEMENT**

*Innovative. Industrious. Talented.* **Mechanical Engineer** with proven track record in learning new design skills since graduating with a Mechanical Engineering degree in 2015. A communicative, encouraging team player who presents ideas effectively and is able to assist others in the latest procedures. Skilled in 3D CAD modelling and animation, FEA and a large number of technical packages. Quickly surpassed expectations in design as well as in end-to-end project management.

**KEY ACHIEVEMENTS**

**Company:** Recognised for initiative and rapid progress. Promoted to New Products Engineer

**Company:** Learned and developed skills in order to design an automated test system which performs most product qualification procedures at the touch of a button. Used National Instrument’s LabView and a data acquisition module, and designed both a pneumatic system and sensor selection

**Company:** Achieved all ‘green‘ (excellent) twice-yearly appraisals

**EMPLOYMENT HISTORY**

01/2015 – Present

**New Products Engineer, Company**

* Develop skills in performing stress and strain calculations/analysis to industry-recognised theories
* End-to-end project management: support the research and development team from conceiving ideas to the final qualification of the product and preparation for the market
* Design pressure vessels, pressure systems, drivetrains, hydraulic systems, sealing systems, chemical injection systems, pressure compensation systems and material selection
* Adhere to strict oil and gas industry engineering and quality codes/standards such as API 6A/17D, ASME VIII and ISO 9001

04/2011 – 01/2015
**Design Assistant (P/T), Company**

* Worked alongside studies
* Adhered to strict oil and gas industry engineering and quality codes/standards such as API 6A/17D, ASME VIII and ISO 9001
* Developed conceptual skills and produced detailed technical drawings using 3D and 2D CAD, following BS 8888:2013

11/2010 – 04/2011
**Technical Assistant (P/T), Company**

* Fitted role around full-time studies
* Participated in constructing a deflashing machine for moulded plastic products
* Worked closely with local toolmakers and assisted in moderation of designs during manufacturing processes

06/2010 – 02/2011
**Commercial Vehicle Mechanic, Company**

* Responsible for diagnosing faults and completing servicing on a fleet of 150 tractor units and trailers, as well as being the face of the service team for the depot

**EDUCATION**

08/2013
**NEBOSH – General Certificate**

10/2012 – 08/2015
**BEng (Hons): Mechanical Engineering**University, City, Country

 **Key Modules:** Engineering Mathematics ● Electrical and Electronic Principles ● Mechanical Principles ● Principles of Design and Manufacture ● CAE and programming ● Theory of Machines and Thermodynamics ● Product Design and Development ● Advanced Engineering Mathematics ● Project Management ● Solid Mechanics ● Dynamics and Control

10/2011 – 06/2012 **Foundation Engineering**University, City, Country

10/2010 – 08/2011 **City & Guilds 1, 2 & 3: Automotive Maintenance and Repair**University, City, Country

**SOFTWARE**

 Microsoft Office (Microsoft PowerPoint, Word, Excel and Project) ● Cambridge Engineering Selector ● SOLIDWORKS ● Solid Edge ● Autodesk 3ds Max ● Autodesk Simulation Mechanical ● Autodesk Simulation CFD ● Autodesk Mudbox ● Autodesk Inventor ● ANSYS CFX ● MATLAB ● Simulink ● Midas NFX ● Python ● LabVIEW ● OpenFOAM ● PTC Mathcad Prime 3.1

**PERSONAL INTERESTS**

3D modelling and animation ● Electric guitar ● Classic car restoration and modification ● Golf

 **REFERENCES ON REQUEST**