

# Marc Stapleton

Address: Flat 0, Any Road, Any Town, Postcode  
Email: [name@hotmail.com](mailto:name@hotmail.com) | Telephone: +44 000 000 000

## 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