

# Design Engineer

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## Personal Profile

**E-mail:** petercox\_01@hotmail.com

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**Website:** www.peter-cox.co.uk

**Award winning BA and MSc qualified Design Engineer with over two years experience of research, design and manufacturing of medical and healthcare products.** Possess a **passion for design**, strong **CAD** and **mechanical engineering** skills, plus the ability to work effectively both individually and as part of a team. Enjoys working under pressure and tackling complex new challenges.

### Key Skills

- **Creative Problem Solving**
- **Rapidly Assess Design Requirements**
- **Concept Generation**
- **Drive Projects from Conception to Manufacture**
- **Full British Driving Licence**

### IT Skills

- **SolidWorks, ProEngineer, Inventor, and AutoCAD**
- **Photoshop**
- **MathCAD**
- **DOORS, and SubVersion**
- **Microsoft Office**

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## Employment History

**August 2009 – Present**

### **Mechanical Engineering KTP Associate at Nopac Healthcare**

6 month contract to design a new mobile patient hoist to improve patient support, comfort and dignity, along with consideration for carers who may have coordination difficulties themselves.

- **Sole responsibility for the design of the product**
- **Created clear product identity and separation from market with several unique functional features**
- **Demonstrated high degree of self motivation and time management**

**April 2009 – July 2009**

Created personal website and on-line portfolio while actively seeking new position

**Feb 2008 –  
March 2009**

### **Design Engineer at The Acrobot Company Ltd**

Initially joined Acrobot on a six month MSc Placement, which included being sponsored to write a Thesis on the use and implementation of RFID tags.

Following the placement, accepted job as a full-time Design Engineer, but was made redundant in March 2009.

- **Designed precision sterile mechanical components and assemblies to complex and stringent briefs and standards.**
- **Successfully managed a project from conception to manufacture**
- **Derived design brief with a FMEA and full design requirements**
- **Liaised with manufacturing and component suppliers**
- **Created and ran tests and validation exercises for Acrobot products.**
- **Gained a good working understanding of the QA procedures relating to mechanical engineering in this environment.**

**Sept 2004 –  
Sept 2005**

### **Industrial Design and Technology Placement at Remploy Healthcare**

Industrial placement student at Remploy Healthcare for one year as part of a BA (Hons) Industrial Design and Technology degree at Loughborough University.

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#### Further Education

**Oct 2007 –  
Sept 2008**

### **MSc Design Engineering: Middlesex University**

- **Grade: Distinction**
- **Finished top of class**
- **Winner of the Institution of Engineering Designers Thesis Prize 2007/08**

**Sept 2002 –  
July 2006**

### **BA (Hons) Industrial Design and Technology: Loughborough University**

(with a Diploma in Professional Studies)

- **Grade: 2:1**
  - **Developed polymer wrist brace for a Colles Fracture**
  - **Design later awarded Audi Foundation funding and featured in 'Design Week' magazine**
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#### Interests and Activities

Played American Football for the Loughborough Aces from 2004-2006

Enjoy Hiking, and completed the 'West Highland Way' in the summer of 2009

Developing an interest in photography

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**References are available on request**