

# **Robert Ellis**

## **Curriculum Vitae**

Location: Derbyshire UK

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**Personal profile:** Self-motivated first class Industrial Design graduate with 10 months professional experience and proven design and interpersonal skills. Seeking an opportunity to utilise creativity and problem solving skills in a collaborative design environment, with an enthusiasm for continued learning and progression.

### **Education:**

- 2005 – 2009 Coventry University, MDes Industrial Product Design:  
**First Class with Honours** (Top of Class, graded 80%)  
Including: **Certificate of Industrial Training** (36 weeks)
- 2004 – 2005 Coventry University, BTEC Art and Design Foundation:  
**Distinction**
- 2001 – 2003 Arnold Hill Sixth Form, A-Levels:  
**Product Design: A, Geography: A, Mathematics: C, Biology: B**
- 1996 – 2001 Arnold Hill Comprehensive School, 10 GCSE's:  
**6 at A\* grade, 3 at A grade** (including Maths, Science and English), **1 at B grade**

**Awards and Achievements:** (for final major degree project)

- **Winner of Institute of Engineering Designers (IED) Award 2009**
- **Bugatti design award 2009**
- **Holder of UK registered product design**

### **Design skills: 3D Modelling:**

- **C.A.D software:** Solidworks package (experienced), AutoCAD (experienced), Catia (basic), Cambridge Engineering Selector
- **C.A.M:** Experienced use of laser cutting, CNC milling, rapid prototyping and laser sintering of C.A.D files
- **Full workshop capability:** (including vacuum forming) to create sketch models to fully finished prototypes

### **Design skills: 2D Flat Work:**

- **Concept generation:** Freehand sketching and rendering
- **Adobe Photoshop and Illustrator rendering** (intermediate). Microsoft Office package (experienced)

## Relevant Experience:

Nov 2008 –  
May 2009

### **Live Design Project: Club Level Fencing Scoring System for Leon Paul Limited**

- Market research with Fencing Clubs and ongoing client meetings to understand product requirements.
- Presentation and discussion of a range of 2D and sketch model concepts for client appraisal within agreed deadlines.
- Testing and development of chosen concept with relation to DFM, part costing and identifying technical constraints with client in-house engineers.
- Production of Solidworks model and functioning prototype using Rapid Prototyping technology, for testing and client demonstration.
- Final product gladly received by client. Nominated for an IED award 2009.

Oct 2007 –  
June 2008

### **Design Engineer, Avondale Coachcraft Limited (Caravan Manufacturer)**

- Self managed project to design and implement a new furniture assembly method within tight cost and time constraints
- Identifying build problems through liaising with production staff and using initiative to correct CAD drawings to suit
- Creating CAD drawings for prototype caravans and scheduling parts and assembly with CNC staff
- Generating concepts for new furniture units, sketching, cad modelling, presenting to director and arranging and building mock-ups and test rigs.
- General office duties: Managing drawing filing system, creating drawing packs for production line, handling telephone enquiries

## Recent Employment:

June 2006 –  
Sep 2006

### **Assistant Coroner's Officer, Nottingham City Council**

- Working as part of a team to generate inquest files to tight deadlines where organisational skills were key
- Tact, diplomacy and professionalism was crucial when writing and talking to relatives of the deceased
- Orchestrated office move and designed new office layout

## Other details:

- **Full clean UK driving licence holder**
- **Languages: French (basic)**
- **Graduate Member of The Institute of Engineering Designers**

## Interests:

- **New design:** Exploring new technologies and industry trends through websites and forums (e.g. designboom.com, core77.com) and the 'MADE' magazine publication, to reinforce knowledge and inspiration.
- **Sport and fitness:** Competing in University Badminton league, also a keen mountain biker, arranging regular rides and partaking in amateur and charity races.

**References available upon request**