

# James Orchard

MEng Hons

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## Profile

I am a recent Product Design and Manufacture postgraduate from the University of Nottingham. I have studied modern design for 4 years, with an emphasis on the integration of innovation and style into manufacture and assembly. I am experienced working in computer aided design and rapid prototyping, as well as more traditional skills such as free-hand sketching and marker rendering. Energetic and enthusiastic for creating beautiful but simple designs that help the modern world function, my key skills are in dynamic and creative problem solving and to work within the product design sector is my enduring objective.

Recent appraised design conceptions have included:

- \* **The RI Shield.** A solution to modern terrorism, this rapidly inflating structure is manufactured from a high grade explosion-proof autoxic material to absorb shrapnel and blast wave energy preventing secondary fragmentation of buildings in the event of a suicide bomb attack.
- \* **'Fresh: The Indoor Garden'.** Deploying simple hydroponics, it supplies freshly grown garden produce all year round to the domestic consumer.

As is apparent in all of my work I believe that the simplest solution is often best – economically sustainable and visually attractive. For more information and images of my work see: [www.jamesorchard.co.uk](http://www.jamesorchard.co.uk)

## Design achievements

My 'RI Shield' was shortlisted for the 2009 RSA Design Directions competition where my work was exhibited at the Home Office in London.

## IT skills

Proficient in Microsoft Office, Adobe CS4 Photoshop and Illustrator, Dreamweaver and html coding in web design. Advanced experience of working with CAE packages, 3d Studio Max and Pro Engineer. I am also a successful freelance web designer for small businesses.

## Employment and work placements

### 2007- Present Freelance web designer

Production and maintenance of several operational websites for small businesses.

### 2007-2010 The Wheatsheaf Restaurant, Kent

Head barman in very fast and highly-pressurised environment over a three-year period. Organisational responsibilities, staff management and cash handling as well as an essential ability to engage with customers and operate a team. Shifts of up to 14 hours a day necessitated staying alert and productive to perform to the high standards expected.

### 2006-2007 Delta Force Paintball, Sevenoaks

Physically demanding role with high-levels of public interaction ensuring health and safety protocols.

- 2006 **Chime Communications PLC, London**  
Public relations and marketing placement where I monitored news coverage on clients, conducted in-depth research and compiled briefing documents. Engaging with all areas of this busy environment, I enjoyed the creativity afforded in the position and developed an understanding and interest in a company's public appearance and promotional aids.
- 2005 **Braemar Seascope, London**  
A placement in a leading international shipbroking consultancy that was highly pressurised but exceptionally rewarding.
- 2004-2006 **Select Garden and Pets, Sevenoaks**  
Retail assistant.
- 2005 **Marie Curie Charity Shop, Sevenoaks**  
Volunteer work.
- 2003-2004 **Waitrose, Sevenoaks**  
Retail and production assistant.

## Education

- 2005-2009 Product Design and Manufacture/MEng, The University of Nottingham: 2.1  
2000-2005 Sevenoaks School: International Baccalaureate and GCSEs

## Languages

Conversational French and basic Spanish.

## Interests

I am a keen and eclectic musician and frequent traveller. I enjoy and peruse any creative challenge – contemporary art and architecture as well as photography consume my free-time, along with a deep-rooted appreciation of nature and the environment, which is perhaps more inventively reflected in my practise of taxidermy.

References available on request