

## ANDREW SIMPSON

D.O.B.: 26/07/1986

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### PERSONAL STATEMENT

I am a hard working team player and I enjoy challenges. I constantly look for ways to improve things because I get pleasure from problem solving. I am motivated and enthusiastic, with a willingness to learn, I work well as part of a team or on my own initiative and I am flexible to new ways of working. I enjoy meeting new people and I am an organised, reliable and trustworthy individual.

### EDUCATION

2004 - 2009

#### Glasgow School of Art & University of Glasgow

MEng with Honors in Product Design Engineering

Masters Project: 'Home Heating: *intelligent heat management*'.

- \_Winner of the Kennett prize for Design Innovation.
- \_Asked to represent the department at Open Days.
- \_Helped to design and coordinate the publications and exhibition space for the 2009 degree show.
- \_Assisted fellow students with previous degree shows.

1998 - 2004

#### Paisley Grammar School

Highers: Art and Design (A), Graphic Communication (A), Physics (A), English (B), Maths (B), Computing (B), History (B). 8 Standard Grades at Credit Level including French.

### RECENT PROJECTS

Sept 08 - June 09

#### Home Heating: intelligent heat management

Self initiated project

- \_By evaluating the thermal efficiency of your home and developing a keen insight into you and your heating needs, this 'smart' real-time energy management system will continuously interpret changing thermal conditions and reprogram your home's heating schedule to maximise efficiency and minimise cost and environmental impact.

Sept 08 - Dec 08

#### Human Factors Study - In-house recycling

Self initiated project

- \_A comprehensive investigation into science of Human Factors, complementary fields – Ergonomics, Anthropometrics and how they relate to design.
- \_Applied Human Factors as an approach to designing a solution to the problems of home waste management.
- \_Developed a customisable recycling bin and an innovative product for neutralising bad odours.

Sept 07 - 08

#### Formula Student - Hubs and Uprights

Team Project – University Competition

- \_Was a member of the preliminary design team for the Hubs and Uprights of the University's race car.

Sept 07 - Jan 08

#### 'Clean Water... it's child's play'

Team project – Royal Society of Arts brief

- \_Our team designed a water filter aimed at educating children in a poor Indian village about the dangers of contaminated water.
- \_The filter was based on the design of a Victorian Spinning Top, utilizing the centrifugal force to clean the water.
- \_We developed a lesson plan for schools and designed the product to be manufactured in the village using local techniques.

### WORK EXPERIENCE

June 09 - ongoing

#### Fearsomengine

Freelance Product Design Engineer

- \_I have worked in collaboration with Fearsomengine on several projects, which ranged from a short digital interface design to several large, multi staged product design projects.
- \_My involvement in these projects included initial idea generation, project specific research, including the sourcing of manufacturers and suppliers. Self managed design development and client meetings, presentations and correspondence.
- \_My contributions involved sketching, desktop modeling, handmade prototyping, and the generation of CAD models for photorealistic renders, rapid prototyping and manufacture.
- \_I also participated in numerous design group discussions and brainstorming on current projects.

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### AWARDS

#### Kennett Prize for Design Innovation 2009

Home\_heating: *intelligent heat management*

Criteria: innovation, user and market appeal, engineering complexity, completeness and application, manufacturing appropriateness, as well as the quality of presentation.

### PRESS AND PUBLICATIONS

#### The Drum Magazine:

Hot Property: Glasgow School of Art Product Design Show, July 2009.

#### Electronic Product Design Magazine,

September 2009.

### WORK EXPERIENCE CONTD.

2007 - 2008

#### HOB Cooking Ltd & JOY Clothing Ltd

Promoted to Supervisor after short period of time.

- \_Made a key holder and was responsible for opening, closing, the daily running of the store, including the responsibility for banking, orders, deliveries, HR, Health and Safety training and organising events and demonstrations.
- \_Relied upon by management to run the store in their absence.
- \_Selected to be a member of the company wide customer service team, a role which helped to layout and build the interiors of new stores, train staff and improve customer service throughout the company.
- \_Devised and designed internal signage and artistic accompaniment for store offers and events. Also participated in Visual merchandising of the store's windows and podiums.
- \_Jointly ran "Kids In The Kitchen", a weekly cooking class for children.

2004 - 2007

#### IKEA Ltd

Sales Advisor

- \_Communicated product information and advice to customers - often demonstrating problem solving and conflict resolution skills.
- \_Responsible for administration, paperwork, orders and stock management.
- \_Obtained 3 customer service awards and 2 co-worker acknowledgements for visual merchandising of the store's windows and podiums.
- \_Created staff training manuals.
- \_Often requested by management to cover other sales departments including small business orders, due to my depth of store knowledge, sales experience and trusted reputation.

2003 - 2004

#### Boots the Chemist Ltd

Sales Advisor

- \_Cared for and managed the stockroom and worked as a sales assistant and cashier.

### PERSONAL ATTRIBUTES

Throughout my University career, personal projects and work experience, I have developed skills and attributes that I am proud of. They include keen time management, interpersonal skills, creative problem solving and critical judgement. I have cultivated my presentation skills, my ability to work effectively in teams as well as to develop leadership qualities. I have been fortunate to have had opportunities to demonstrate my reliability, commercial awareness and to lead on a number of significant projects.

### ADDITIONAL SKILLS

Hand sketching/rendering, desktop modelling, workshop prototyping, sewing, computer modelling and rendering, digital interface design and prototyping.

**Languages:** French (Beginner/Intermediate)

**Software:** Highly proficient with Solidworks, Autodesk Inventor, Showcase, Hypershoot, Adobe Photoshop, InDesign, Illustrator, Flash (actionscript 3), MindMap Pro and the Microsoft Office Suite. I am also proficient with Rhino, Dreamweaver, Abaqus, and the iWork Suite. I work across both Mac and Windows platforms.

### REFERENCES

Alan Suttie

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