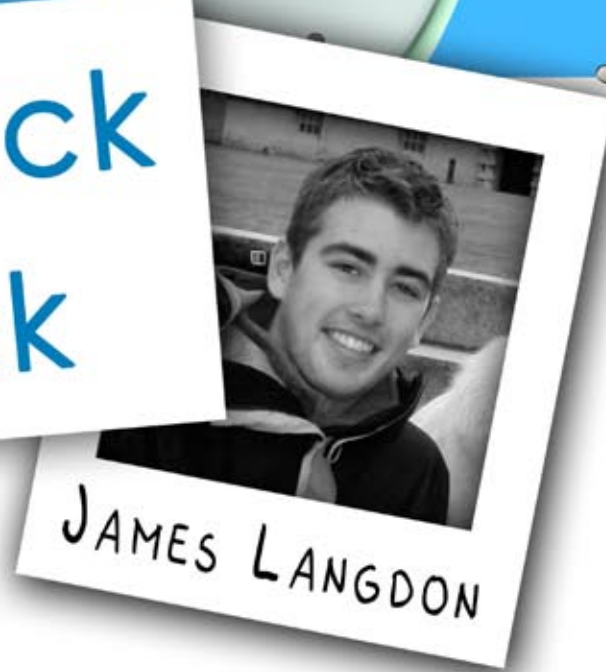
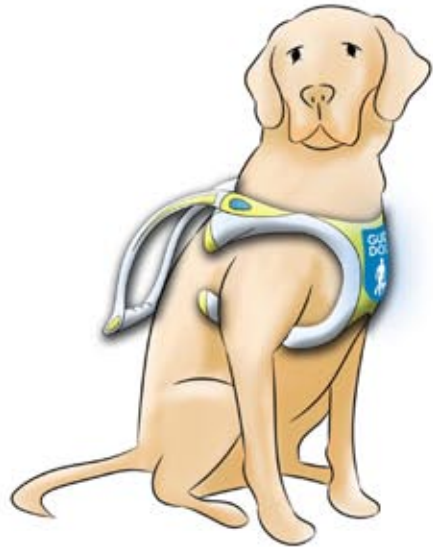




A Quick Flick



Introduction¹



JAMES LANGDON

PRODUCT DESIGN AND
MANUFACTURING MENG

UNIVERSITY OF NOTTINGHAM

I am a Product Design and Manufacturing Student at the University of Nottingham. Studying towards a Masters in Engineering, completing 3 years with a 1st and on placement at L'Oreal.

You will have a quick insight into how I work. From a 2012 RSA winning redesign the Guide Dog Harness in 2012, to creating a Glow in the Dark Camping Cup.

Strong in CAD, Photoshop, Illustrator and 3D Rendering.

Always striving to be innovative, creating a product that is for the user and tested by the user. Working as a Packaging Engineer for Heinz, has allowed me to strengthen my knowledge of packaging technology further.



GENTLE GUIDER



MARKET STALL



BABY SITTER

Models & Prototypes²

Fully
Functional



Guide Dog
Harness Clip
3D Printed

Modelling and
prototyping designs
using various methods
to then develop
designs to best suit
the brief and user.

Whether it be 3D
printing, a card model
or using a foam to
view aesthetics.

Testing



Ergonomics
Of Cups Design



Mini First Aid Kit



Card Model Sizing Test

Rendering³



GLOW Camping Cup

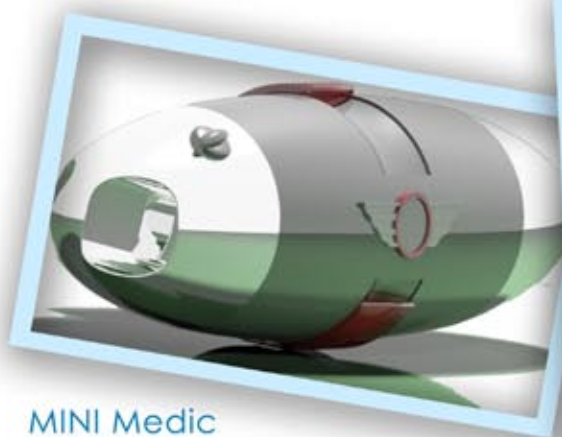


These show a few renders using 3D studio max.

They are all working CAD models, and the visuals are used to best explain the design.



BABYSITTER - Baby Monitor



MINI Medic



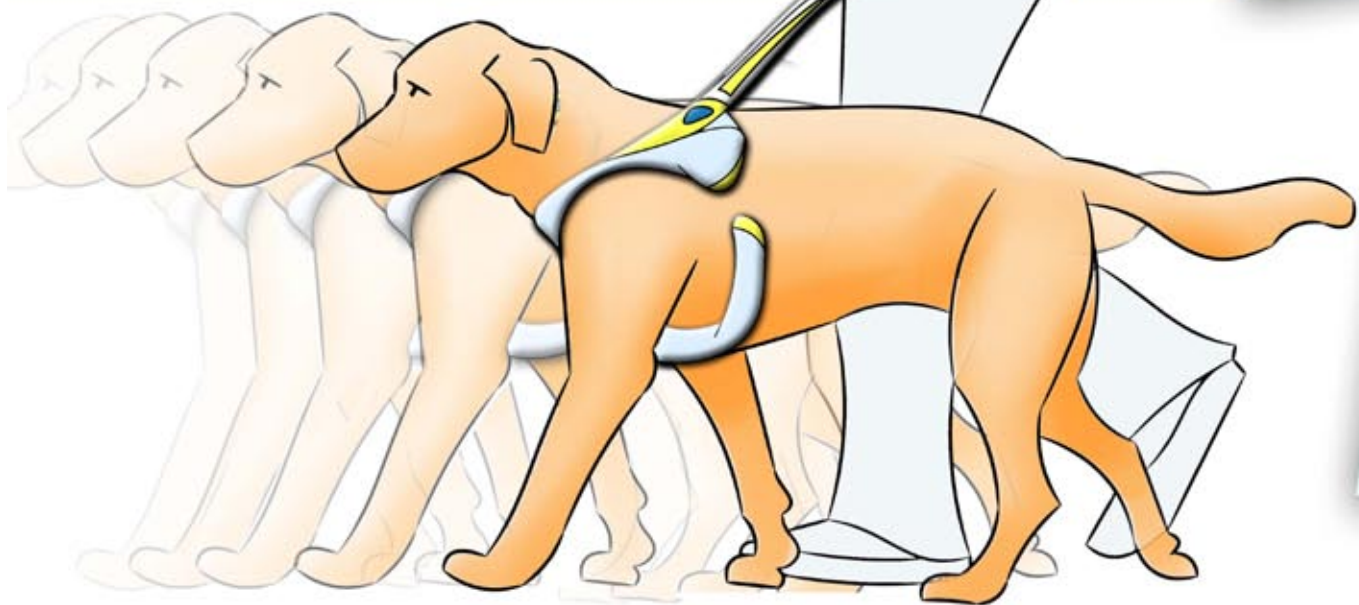
Shaver Rendered

"MY DOG DESERVES BETTER"

GUIDE
DOGS



Gentle
Guider

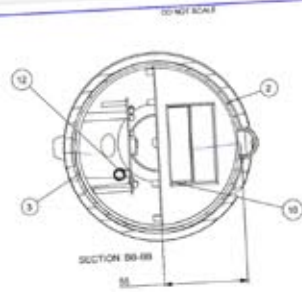


Heinz - Packaging Concepts⁵

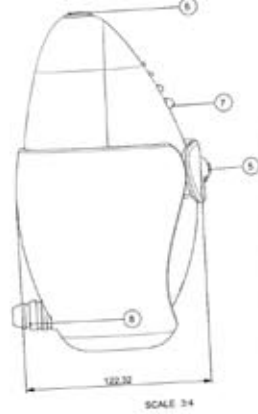
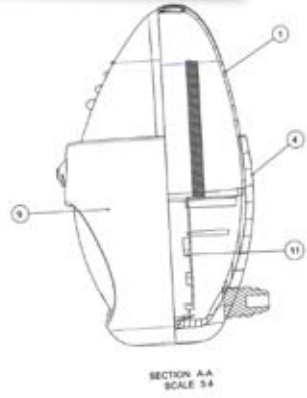
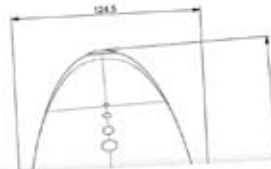


CAD Drawings⁶

These show engineering drawings from my CAD files created on PRO Engineer. I am able to use Solidworks, Pro Desktop and PRO Engineer, at an advanced level.



ITEM	DESCRIPTION	MATERIAL	QTY
1	BABY MONITOR HOUSING TOP	PPE	1
2	BATTERY HOUSING MOLD	PPE	1
3	PCB HOUSING MOLD	PPE	1
4	RUBBER CRADLE HOUSING	TPE CROSS LINKED RUBBER	1
5	POWER BUTTON	ABS	1
6	ANTENNAE HOUSING CAP	PPE	1
7	LED LIGHTING	POLYETHYLENE	1
8	POWER LEAD	PPE	1
9	BATTERY HOUSING BOX	PPE	1
10	BATTERIES	NA	2
11	PCB	NA	1
12	ANTENNAE	NA	1



DO NOT SCALE

ITEM	QTY	DESCRIPTION	MATERIAL	QTY
1	1	CUP	PP	1
2	2	LIP	TPE	1

SCALE 1:1

FILED CHAIRMAN 1:1 FOR ALL DIMENSIONS IN MILLIMETRES NOT TO SCALE LINEAR 1:1 ANGULAR 1:1 DRAFTING STANDARDS BS 5456	DATE: 26/04/11 DRAWN: James Longman SEC. DATE: REV: COURSE: ENG 400P	The University of Nottingham GA Drawing SHEET 1 OF 1
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3rd Year Design Projects⁸



JAMES

Projects from my
3rd Year, ranging
from a glowing camping
cup to an IKEA Shed
and Electric Bike Motor...

