

MICHAEL BELL

PRODUCT DESIGNER
BA 1st, MSc Dist

PROFILE

24-year old,
University of
Cardiff Metropolitan,
MSc Product Designer

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INTERESTS



ISEL 4030 CNC
OOZNEST WORKBEE CNC



PADDLE BOARD



E-SKATE BOARD



FIELD HOCKEY

ABOUT ME

I am a dedicated, diligent, and professional individual, and have an overwhelming passion for design and making. I believe I would be a key designer within any company due to my quality of work, quantity output, and professional attitude and approach. Having widened my design knowledge and developed considerably both as a person and as a designer in my previous roles and at University, I am now looking to further progress my skills, experience, and technical design knowledge within industry.

EXPERIENCE

DESIGN ENGINEER, EUROBOND DOORS, OCT 2018 - DEC 2019

Design Engineer within industrial steel door manufacturer Eurobond Doors' Design office.

Consistently liaising with senior designers enabled the capacity for progression of various complex software skills, whilst continuously completing high-value projects/orders to brief deadlines lead to the development of personal and professional time management capabilities.

TASKS PERFORMED:

Design and tooling of sheet metal components within industrial regulations for high value door sets

Rapid modification of complex SolidWorks sheet metal parts, assemblies, drawings and BOMs

CAD model creation and maintenance of current and sourced components

Consistent liaison with machine operators

Creation of custom components for in-house manufacture on demand

Liaising with sales and technical departments to configure product variations to suit client specification

Utilisation of SolidWorks, Drive-works, Radan, Keyshot, Microsoft Office

Rapid new product development and refinement

JUNIOR DESIGNER, PDR, 2017, 6 MONTHS

6-month placement within design consultancy PDR's New Product Development team.

Working on a broad range of live projects for various clients enabled the development of skills for concept ideation, concept refinement, design detailing and design for manufacture.

STRENGTHS

CAD DESIGN

CREATIVITY

IDEA & CONCEPT GENERATION

FEATURE REFINEMENT

ATTENTION TO DETAIL

SKILLS

FMEA

DESIGN FOR MANUFACTURE
(SHEET METAL, INJECTION
MOULDING, CNC,)

CAD/CAM (SOLIDWORKS,
FUSION 360, KEYSHOT)

BOM CREATION, MATERIAL
SOURCING AND COSTING

DRAWINGS FOR MANUFACTURE
AND ASSEMBLY

USER CENTERED, CRADLE TO
CRADLE AND SUSTAINABLE
DESIGN

CNC & LASER MACHINE
OPERATION

HAND SKETCHING AND
PROTOTYPING

CONCEPT IDEATION

DESIGN DETAILING

PROJECT ORGANISATION AND
PRESENTATION

TASKS PERFORMED:

Product and feature concep-
tion, development and refine-
ment for a range of clients
(Medical, Cosmetic, Healthcare
and Appliance industries)

Creation of project progress
and pitch presentations for
clients

Utilisation of SolidWorks, Key-
shot, Microsoft Office, Adobe
Suite

Liaising with senior designers
to focus on UCD and DFMEA

Hand and machine prototyping -
high and low fidelity (3D Print,
Laser engraving, Card & Foam)

Design for injection moulding

Working drawings, BOM
creation and maintenance

Hand and digital sketching &
ideation

FREELANCE DESIGNER, TWELVE A.M., 2017

Working as a freelance designer I have been successful in winning
projects developing 3D and CAD solutions, consulting on feasibility for
3D design for video content, and undertaking product rendering for
digital and social companies including the eveSleep #pillowtalk
campaign.

DESIGNER, CARDIFF COUNTY COUNCIL, 2017, 6 MONTHS BA THIRD YEAR FINAL MAJOR PROJECT, SPONSORED

BRIEF: To design five separate trolleys that aid and improve methods
of litter-picking for volunteers. The designs must compact for storage,
weigh less than 8.9kg, and be appropriately designed for batch manu-
facturing in quantities of 50.

SPONSORSHIP: £6,000 available funding for the prototyping, testing,
and refining of 5 different designs in collaboration with Cardiff County
Council and Keep Wales Tidy.

AWARDS

THE AUSTIN-SMITH LORD AWARD FOR DESIGN, 2017

This prestigious award is open to the entire Cardiff School of Art and
Design (consisting of 22 courses and 1200 students), and is given to a
single student each year. I received the Austin-Smith Lord award for
Design for my third year final major project.

EDUCATION

MSc DISTINCTION, PRODUCT DESIGN, CARDIFF METROPOLITAN
2017-2018

BA HONS 1ST CLASS, PRODUCT DESIGN, CARDIFF METROPOLITAN
2014-2017