

CONTACT



Gavin Birmingham
11 Kirkstead Drive
Dundee
DD2 2FB



+44 (0) 7729 113804



enquiries@gavbirmingham.com



www.gavbirmingham.com

SKILLS

INVENTOR



SOLIDWORKS



AUTOCAD



KEYSHOT



ADOBE CS



SKETCHING



PROTOTYPING



COMMUNICATION



TIME MANAGEMENT



TEAMWORK



IDEATION



OVERVIEW

ABOUT ME

I am a Product Designer with over 10 years of experience as a Product Designer and CAD Designer. I have experience delivering a wide range of projects in a number of areas. I can manage my time effectively and regularly deliver projects on time, completed to a high standard. I am competent using a number of CAD packages and I enjoy learning new software and finding new ways to work. I liaise well with clients and other departments and enjoy a collaborative approach to my work.

EMPLOYMENT

FORMISIT - FREELANCE DESIGNER/CONTRACTOR

AUGUST 2019 - PRESENT

I am currently working as a full time freelance designer & contractor. I take on various design jobs, both short-term and long-term and specialise in a number of areas from initial ideation and brainstorming, to CAD modelling, technical drawings, renders & prototyping. Working on various jobs at the same time means I need to plan my time effectively in order to meet deadlines and give each job the proper care.

HIGHLIGHTS

- Designing my own website & branding using adobe creative suite.
- Getting up to speed quickly on projects and hitting the ground running in a busy, fast paced working environment.
- Working with a wide variety of clients and subcontractors on a number of different types of jobs.

COUGHTRIE INTERNATIONAL - PRODUCT DESIGNER

MAY 2019 - JULY 2019

During my time at Coughtrie I was responsible for designing new lighting products, reissuing and updating existing products and researching the next generation of products. I create sketched concepts, 3D CAD models, 3D printed prototypes and technical drawings. I was also responsible for liaising with suppliers and ensuring all products adhered to the BS EN 60598 standards.

HIGHLIGHTS

- As lead designer, I managed the design team, assigning tasks and implementing new departmental processes.
- Introduced Product Data Management (PDM) software into the business.
- Ensured designs are BS EN 60598 compliant and FMEA is carried out at design stage.

EDUCATION

UNIVERSITY OF DUNDEE

SEPT 2009 - MAY 2013
First class BSc (Hons)
Product Design

EXHIBITIONS

BRINK - TOP TEN DESIGN GRADUATES OF 2013

SEPTEMBER 2013
Exhibited at Tent London
19th - 22nd Sept 2013

EVENTS

DESIGN IN ACTION CHIASMA

SEPT 2013 - MAY 2015
5 Events Attended

DEVELOPMENT

I actively look for ways to improve and refine my skills, working on several personal projects over the past 6 years.

I have worked on a number of graphic design projects creating logos, posters, invites & cards for web & print. This allowed me to further develop my graphic design skills within adobe creative suite.

I have used the 3D CAD skills acquired in the furniture industry to design a number of pieces of furniture for my own home, including a chair, a bookcase and a sideboard.

I designed an engagement ring for my wife, producing a 3D CAD model in Solidworks and 3D printed prototypes in metal and silver, before working with an experienced local jeweller on the final design.

I am continually developing my drawing and 3D printing skills, as I look to become a more skilled product designer.

EMPLOYMENT

WORKSPACE DESIGN - CAD DESIGNER

APRIL 2017 - APRIL 2019

My duties involved designing and developing bespoke furniture by creating libraries of 3D models, assemblies & parts within Autodesk Inventor. I created technical drawings for approval by the client and for manufacture within the workshop. I also provided Nesting data for the CNC, BOM's for material ordering & manufacturing packs for joiners and fitters. I have successfully designed a number of bars, reception desks, beds & other bespoke items that have been fitted in numerous locations across the UK.

HIGHLIGHTS

- Created a standardised parametric furniture library within Autodesk Inventor using iLogic driven forms.
- Created & Co-developed an Excel Spreadsheet tool for costing reception desks & calculating material required.
- Simplified the DFM process using LEAN principles.

JTC FURNITURE GROUP - CAD DESIGNER

FEBRUARY 2016 - APRIL 2017

I was responsible for designing bespoke furniture, producing drawings for client approval, manufacture packs and creating programmes for the CNC. I have worked on a range of large student accommodation projects, Education furniture projects and bespoke furniture items. I also created libraries of cabinets for the teaching wall education range.

HIGHLIGHTS

- Designing the Fastclass range of education furniture using optimised parametric construction method.
- Introducing and implementing the Keyshot rendering software package, used to create photorealistic images of furniture.
- Creating CNC data for manufacturing.

TYKO BRANDS - DESIGNER

MARCH 2014 - JANUARY 2016

I was responsible for developing new ranges of watches, sunglasses, packaging and point of sale for the Travel Retail sector and online. I was also responsible for a number of other multimedia projects including flyers, photography, filmmaking, exhibition stand design and training manuals. I successfully co-created a number of different products that have gone into production.

HIGHLIGHTS

- Implemented 3D CAD into the business, using Solidworks to create visuals of products, packaging, POS & Exhibition Stands.
- 3D Printing & Laser Cutting to rapid prototype packaging & POS prototypes.