

JAMES PATRICK

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Profile

I Graduated from Nottingham Trent University in 2019 with a degree in Product Design and am proficient in 2D and 3D design software as well as Adobe packages. Since graduating, I have worked in various CAD based Design and Design Management roles, involving Transport, to Children's Play and in my current role, Offices and the Work Environment.

In my current role I mostly use 2D CAD (Bentley Microstation) to evolve building plans from a survey before creating a layout, whether it be a storage solution to help a company expand, a new or refurbished office space, or even a self-storage facility, for example Grantham's new Star Self-Store.

I work within a team and alongside clients to bring their ideas to life and am involved in the entire delivery process through to completion. A typical work-flow requires the production of many detailed drawings showing spacial separation, mezzanine structures, power and lighting, building regulations, as well as specific interior design detail in respect of floor and wall finishes and furniture layouts. I work closely with various partner companies, fitters and installers to provide the required information for live projects to be completed to the agreed specifications.

In addition to managing the design process, I am responsible for producing cost estimates for all large projects and create quote documents to present to clients. I have also taken on additional project management responsibilities within the company outside of my primary role to assist the project management team with the placement of orders and build a data base of "project best processes".

I am actively looking for opportunities to apply my skills in a similar or new area of design within a larger organisation, able to provide career development and personal advancement prospects within the business. I am a committed and loyal team player, willing and capable of working with existing and new software with good analytical and problem-solving skills backed by practical real-world experience.

Experience

Design Manager - One Solution | May 2022 - Present

I currently work within a small team who specialise in the design and installation of efficient working environments. I work with clients to design a variety of spaces to fit their needs, from new and refurbished office spaces to storage solutions. Whilst the core of my role is designing solutions for working spaces, costing projects and producing CAD drawings, I have been required to undertake significant involvement with project management, supporting the team and our contractors by placing orders as well as managing work-flows on site.

Play Area Designer - Sutcliffe Play | 2021 - April 2022

In this role I worked alongside the area sales team to create site plans and costing estimates for children's play areas. I used AutoCAD to create the plans to scale and would often create 3D models of the proposed design using 3DS Max. The rendered visuals of the play areas would be used to create a presentation using Adobe InDesign.

Freelance Design - Team Sport & Play | 2020 – May 2021

Design of local BMX track including 2D and 3D CAD visuals.

CAD Designer - Outwoods Engineering | 2019 – Oct 2020
Design role where I was tasked with making 3D models of bespoke trailer chassis using Solidworks. My role also involved the creation of models based on historic drawings to demonstrate ways to reduce design timescales. For this I made use of the weldments tool, which also helped when producing material cut lists and 2D drawings for the fabricators to work from. Other areas outside my specified job role which I undertook included photography, website design and managing social media interaction for the business. The business was unable to support the design team function as a result of the pandemic.



Experience (continued)

NTU Industry Placement: Product Designer - Kitronik | 2017/18

A 13 month placement working as the sole Product Designer in the Kitronik Development team - This was a fantastically rewarding internship with considerable "real-world" responsibility. I helped to design and develop a number of products from conception through to production, whilst also creating promotional pieces for trade shows and events. I used laser cutting,

3D printing and basic crafts to create models and prototypes, learnt how to code and helped with circuit board design. I worked with clients, manufacturers and schools to create products and resources to assist Kitronik in growing its "electronics within education" platform.

Sales Assistant - Animal Clothing | 2014 – 2017

Customer facing sales role as part of a small retail team.

Skills

Solidworks | Fusion360 | AutoCAD | Bentley Microstation
3DS Max | Rapid Prototyping | Adobe (Ps, Ai, Id, Xd)
Microsoft Office

Education

BA Product Design
Nottingham Trent University | 2015 – 2019
Graduate: 2:2

Foundation Diploma
York College | 2014 – 2015
Art Foundation: Distinction

A Levels
Fulford School Sixth Form, York | 2012 - 2014
Maths, Product Design & Art

GCSE
Fulford School Secondary | 2007 – 2012
14 GCSE's including Maths, English & ICT

Interests

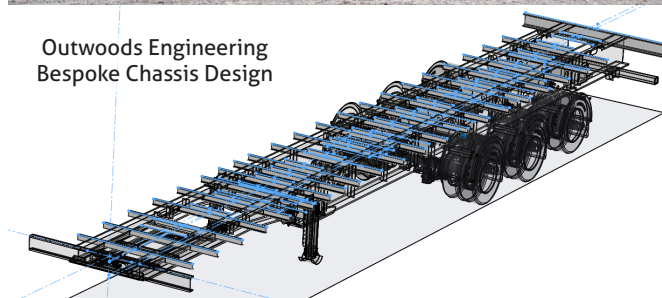
I particularly enjoy participating in sports such as mountain biking and BMX, building and maintaining my bikes as well as both indoor and outdoor climbing. I enjoy the aspects these sports bring in terms of challenging myself and pushing my limits. My interests in these sports have enabled travel around the country, whether it's a new city to explore on two wheels or a weekend camping in the mountains with a few climbing buddies. Both of these activities provide great moments to be captured on film, so I'll often have a camera in my hand.

With more enforced free time in lockdowns during the pandemic, I decided to pick up the guitar again and really found a passion for music, another outlet for challenging myself to improve and learn. They say you can never have too many guitars so at the last count I'm up to 6.

Although CAD design is my area of expertise, I still love sketching and the design process and a future goal of mine is to build a workshop to be able to create my own furniture and designs.



Outwoods Engineering
Bespoke Chassis Design



Kitronik
LED Game Controller



NTU Major Project
Bespoke drinks cabinet



NTU Project
Cycling Aid for Orthotic Arm Braces

References

Ian Lund | Director: One Solution Ltd
07803 698595 / 01636 642766

Graham Pearce | Operations Manager: One Solution Ltd
07514 630719

Jamie Ostler | Play Area Design Manager: Sutcliffe Play
07984 690022