

Andrew Thompson

Product Design Engineer

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EMPLOYMENT

UX Designer

NHS GP Surgery, Upperthorpe, Sheffield
Aug 2024 - Present (Remote from London)

I am part of a startup team developing a new user interface for the surgery's clinical system.

- Create user interface designs, navigation approaches and UX guidelines
- Conduct design reviews with nurses, doctors, management and admin staff
- Develop flow management tools to reduce patient waiting times
- Work with surgery staff to develop accurate and relevant clinical information analytics
- Develop data dashboards to improve practice workforce management and efficiency

SharePoint Developer

Contract for Steel City Practice, Sheffield, UK
Jan-Mar 2025

- Created a new surgery intranet site based in SharePoint including branding and graphics
- Built news, events, and document management functionality to improve practice efficiency

Design Engineer

Ametek (Taylor Hobson), Leicester
June 2022 - June 2023

Over my placement year at Taylor Hobson I worked within the business development team as a design engineer to provide them with product concepts and input into areas like software design. I managed a number of projects and enjoyed collaborating with staff and coordinating efforts across other departments and partner companies.

- Redesigned the look and feel of a multi- million pound product line
- Optimised manufacturing costs through the use of generative design (machine learning) and 3D printing
- Led weekly meetings with heads of engineering, business development and marketing to provide project updates
- Developed manufacturing prototypes
- Worked collaboratively in large SolidWorks assemblies

- Provided UX prototype designs
- Delivered multiple commercial projects
- Designed and produced production items for clients
- Provided competitor analysis and reports
- Worked with departments in other countries

PC Build Technician

Direct Computers, Sheffield
Aug 2024 -Oct 2024 (and July-Dec 2020)

I work part-time as an IT technician at Direct Computers Sheffield - responsible for the assembly, quality control and packaging of high-spec gaming computers.

EDUCATION & SKILLS

Product Design BSc (Hons) 2.1

Nottingham Trent University, 2020-2024

I gained a wealth of academic and industry experience by completing over 15 projects with many being live briefs from industry or design competitions. This has provided me with a broad, transferable skill set. It taught me how to be effective in every part of the workflow from user research and competitor analysis to manufacturing and marketing.

A-Levels

Notre Dame, Sheffield, 2017-2019

Product Design (B), Physics (B), Maths (C)

Design & Technical Skills

- Design process thinking
- Problem solving and ideation
- Working with clients/customers
- Communication and presentation
- Research and Presentation
- Rendering and animation
- Sketching and visualisation
- 3D prototyping & internal detailing
- Material selection and cost analysis
- Preparation for manufacture
- Hardware and software configuration