

Andrew Thompson

Product Designer

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Summary

Versatile and technically adept Product Designer with hands-on experience delivering complex, bespoke design solutions across precision engineering and healthcare sectors. Experience taking cross-functional, international projects through every stage of the design process – from interpreting user needs to prototyping, final production and technical documentation – ensuring designs are functional, manufacturable, and aligned with client needs.

Proficient in SolidWorks, Fusion 360, Adobe Creative Suite, and advanced 3D printing (FDM, resin, SLS), with practical knowledge DFM and electronics. I have a highly collaborative mindset and hands-on experience supporting prototyping and fabrication in workshop settings, especially across electronics and complex assemblies.

Product Design Engineer

07/2022 - 07/2023

Ametek (Taylor Hobson), Leicester

- Led the aesthetic, ergonomic, and UX redesigns of the Talyrond, DUO, and S200 product lines.
- Delivered multiple commercial projects.
- Optimised manufacturing costs through the use of AI generative design and 3D printing.
- Led weekly cross-disciplinary design reviews with local and international teams.
- Worked collaboratively in large SolidWorks
- Produced production items for clients.
- Introduced a Figma-based workflow for UX/UI.

Product Designer

08/2024 - Present

NHS Primary Care, Sheffield (Remote from London)

- Took part in user-focused design projects, developing digital tools that reduced triage time and promoted data-informed decisions.

Intranet Design Contract for Steel City Practice

- Designed and developed a custom intranet with Integrated event calendars, document management, and communication.

PC Technician

08/2024 - 08/2024

Direct Computers, Sheffield

- Built and quality checked high performance computing hardware developing a strong hands-on understanding of bespoke assembly.

Skills

Design Thinking

CAD

Sketching

Communication

Ideation

Workshop Skills

3D Printing

Rendering

DFM

Prototyping

3D Modelling

Photography

Layout

Technical Drawings

Software



Photoshop



Solidworks

InDesign

Keyshot

Illustrator

Fusion 360

Product Design BSc

2020 - 2024

Nottingham Trent University, Nottingham

I gained a wealth of academic and industry experience by completing over 15 projects with 6 live briefs from industry and design competitions. This gave me knowledge of how to be effective in every part of the workflow from user research and competitor analysis to manufacturing, marketing and implementation.

A-Levels

2017 - 2019

Notre Dame High School, Sheffield

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