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# ALFIE THOMPSON

## DESIGNER

### PROFILE

I am a generalist designer. I have industrial experience in Design Engineering and BrandMarketing. I have worked with many of the largest sports and PPE Companies in the world. This gave me the experience of "full stack" design, from first concepts, through product development, manufacturing, branding and marketing. My calling is in design and in art, I have eclectic interests that channel into my work.

### SKILLS

#### CGI

Blender  
Houdini  
Marvelous Designer

#### CAD

RHINO  
Grasshopper  
Solidworks  
Fusion 360

#### Adobe suite

Illustrator  
Photoshop  
Indesign  
Premiere Pro  
After effects

#### Coding

Python  
Matlab

#### [Abbreviations]

CGI - Computer Generated imagery  
CAD - Computer Aided design [technical 3D modelling]  
DFM - Design for Manufacturing  
DFAM - Design for additive manufacturing  
FEA - Finite Element analysis

### INTERESTS

#### Photography & Videography

2023 was a year of videography: I filmed a music video for an new artist, as well as making a trailer and a fully produced recording of a musical.

I am constantly taking photos but its great do do projects like a florist's website I made using my own photos and illustrations.

#### Fun Facts

I love to collect fun facts, particularly nature & hisorical, the more niche, the better!

#### SCI-FI Art

I have been working on a short film, fully CGI, re-telling the story of the Mary Celeste on a spaceship.

REFERENCES AVAILABLE UPON REQUEST

### EMPLOYMENT

#### RHEON Labs | Digital Marketing Artist & Asset Manager

2021 - 2023

Created all the digital assets at RHEON Labs' website, social media, product launches, pitch presentations and internal communications. Worked with an art director and then took on the responsibility.

- Created and managed all brand and marketing digital assets - leading to greater brand visiblity and elavating the brand perception.
- Led marketing support for product launches. [Example: adidas Zero Control.](#)
- Trained and managed a junior digital artist.
- Development support, including: IP drawings, QA Photography and more

#### RHEON Labs | Generative Design Engineer

2019 -2021

Product development, working on helmets, body armour and other sports equipment. I specialised in generative design - using algorithms in Grasshopper to make complex designs and CAD informed and driven by data.

- Led Product design on multiple products - including a [football boot design](#) for a major sports brand
- Developed flexible algorithmic designs that could be controlled by data and informed by iterative design processes.
- Designed over 100 injection moulding tools using automated scripts and DFM.

#### Douglas instruments | Precision robotic design and manufacture

2018

- Designed and tested a new automatic pump system for their robot range.

#### Asylum SFX | Model making and SFX company

2015

- Worked on the assembly of apparatus for training heart surgeons
- Experience with professional 3D printing, silicon and foam modelling.

#### Stone Circle | Stone mason specialising in kitchens

2015

- Worked through the entire kitchen work surface creation process: from working with client and CAD modelling to CNC milling.

#### Hogs-Back Brewery | Small Brewery in Surrey

2013 -2018

- Part-time work on in-house design of merchandising and branding.
- Part-time work: on-site maintenance and infrastructure development.

### EDUCATION

#### Imperial College London

##### MEng Design Engineering | 1st Class Honours

2016-2020

Imperial's new design engineering was a really balanced and wide reaching degree. The course is dominated by projects over exams, resulting in very practical learning. I recieved an award for 2 designs and recieved Dean's list (Top 5 grade in my 2nd year). [Please see my website's degree blog for more project info.](#)

- Design Topics: Product Design, Inclusive design, Sustainable design, DFAM, Big data, Mechatronics design and more.
- Engineering Topics: Mechanics, Robotics, Computing, Thermodynamics, Fluid dynamics, Material science. FEA, Engineering mathematics, IoT and more.

#### Winchester College

2011-2016

**3 Pre-U [A-Level equivalent]** Art & Design: D2 [A\*] Maths: D3 [A] Physics: D3 [A]  
**9 IGCSEs** 5 A\* Grades | 4 A Grades