

# Inventor's Assistant



## job details

Creativity.....	94
Communication.....	66
Collaboration.....	72
Digital knowledge.....	86
Hands-on practical skills... 77	
Reading and writing.....	63
Sustainability knowledge.. 25	
Using numbers.....	57

I assisted an inventor to create prototype exoskeletons for humans to fly by rocket. I devised a way to make flying easier by changing the angles of our jet engines, which led to me being able to fly. I learned to code using YouTube and made a new computer control system for the jet engines so that we can fly faster. I go to events all over the world.

## your family



Industrial Design Engineer



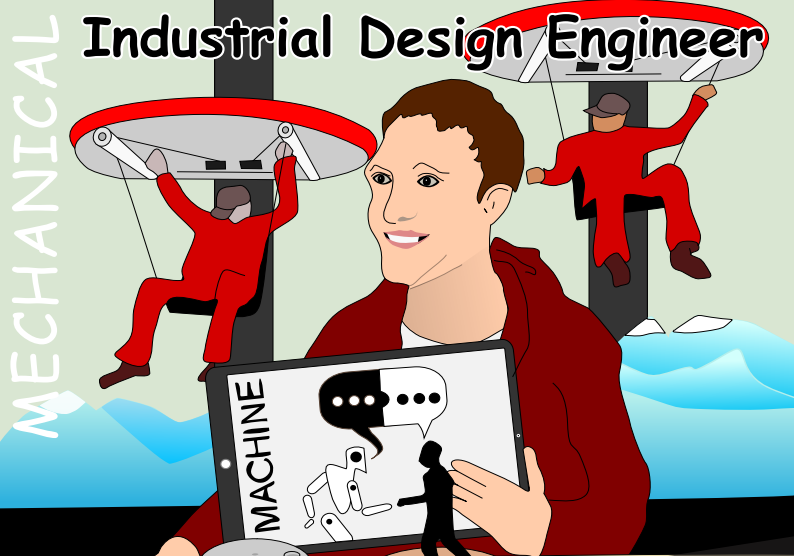
Data Scientist



Helicopter Engineer

What would be the best thing about having this job?

# MECHANICAL Industrial Design Engineer



## job details

I help people design and engineer things they want to manufacture. This ranges from a renewable energy generation device to a virtual reality paragliding simulator ride. Currently I am working on a diagnostic device for diseases like COVID-19. A key part of what I do involves watching and understanding how actual users want things to work, which informs the designs I go on to engineer.

Creativity.....	90
Communication.....	65
Collaboration.....	75
Digital knowledge.....	72
Hands-on practical skills... ..	44
Reading and writing.....	54
Sustainability knowledge.. ..	59
Using numbers.....	81

## your family



Inventor's Assistant



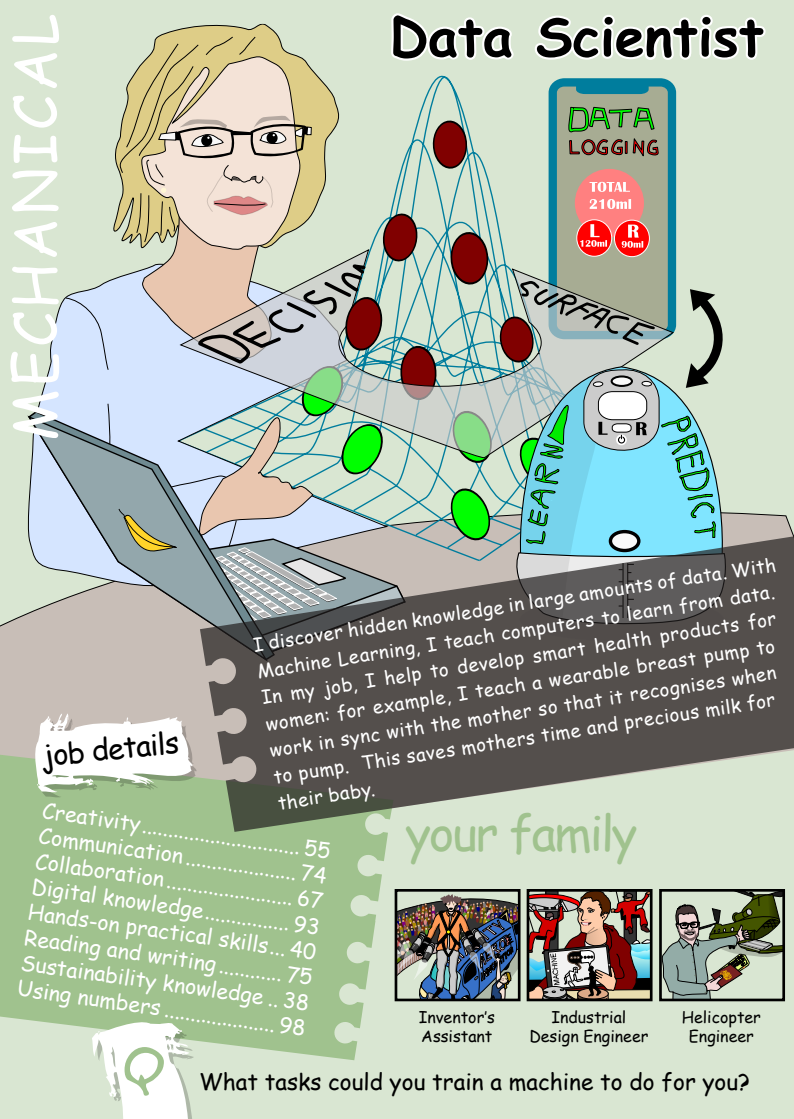
Data Scientist



Helicopter Engineer

Why is testing a design with users important?

# Data Scientist



MECHANICAL

DECISION SURFACE

DATA LOGGING

TOTAL 210ml

L 120ml R 90ml

LEARN PREDICT

I discover hidden knowledge in large amounts of data. With Machine Learning, I teach computers to learn from data. In my job, I help to develop smart health products for women: for example, I teach a wearable breast pump to work in sync with the mother so that it recognises when to pump. This saves mothers time and precious milk for their baby.

## job details

- Creativity..... 55
- Communication..... 74
- Collaboration..... 67
- Digital knowledge..... 93
- Hands-on practical skills... 40
- Reading and writing..... 75
- Sustainability knowledge.. 38
- Using numbers..... 98

## your family



Inventor's Assistant



Industrial Design Engineer



Helicopter Engineer



What tasks could you train a machine to do for you?

# Helicopter Engineer



## job details

I started as an apprentice working with tools and machinery. I then picked up skills in design drawing. I love big machines like the Chinook helicopter and working with these has taken me all over the world. I now head up a team for aviation propulsion, and we are working on new synthetic fuels.

Creativity.....	57
Communication.....	82
Collaboration.....	84
Digital knowledge.....	54
Hands-on practical skills... 48	
Reading and writing.....	76
Sustainability knowledge..	57
Using numbers.....	82

## your family



Inventor's  
Assistant



Industrial  
Design Engineer



Data Scientist



What are synthetic fuels?