

A SCIENTIST just like me



Danial Azahan
Mechanical engineer

A SCIENTIST just like me

Hi there! I am Danial Azahan – A mechanical engineer



Where do I work?

I currently work at an energy consultancy company. We help other companies to design safe and sustainable way of harvesting energy.

What did I like doing when I was at school?

I loved doing science experiments and figuring out how things work.

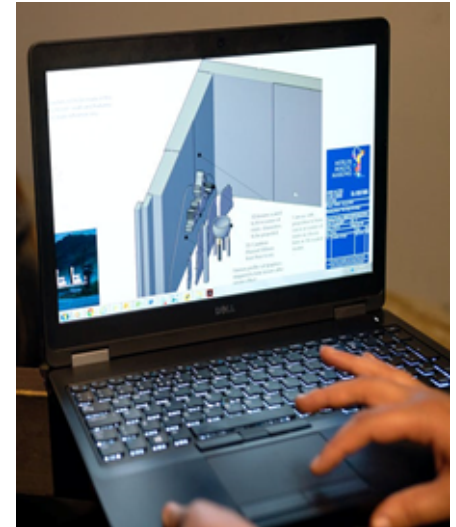
What do I like doing in my spare time?

I love like to write codes and programs and I love listening to music.

A SCIENTIST just like me

What do I do as a mechanical engineer?

I perform calculations on pipes under the sea, making sure that they are strong enough to carry oil, gas, and electricity to us! Other mechanical engineers may create prosthetic limbs, design new technology to improve food production, and create robotic manufacturing plants.



How does what I do make the world a better place?

Mechanical engineers try to make sure that the systems in place at home and at work, are safe to use so that nobody gets hurt. We are also working on solutions to make sustainable energy to reduce harm to the environment.

A SCIENTIST JUST LIKE ME



What I like about my job

I really like that my designs and calculations on a computer are brought to life in the real world. I also get to use very exciting and advanced software to do the calculations.

Challenges I have faced

At school I preferred to have my head in a book reading, even when other people teased me and said that I should do other things like sports. I stuck to what I loved doing and did my best regardless of what other people said.

A SCIENTIST just like me

If you want to be a mechanical engineer, you need:

- ✱ **to be creative** so you can **provide solutions** to problems and help other people
- ✱ **to be curious** about how things work so you can understand engineering problems
- ✱ **to have an interest** in maths and science and enjoy using calculations and numbers to solve problems



A SCIENTIST just like me

Discussion time

- ✦ Would you like to be a mechanical engineer like Danial Azahan?

Why? Why not?



- ✦ What skills and interests do you already have that would help you become a mechanical engineer?
- ✦ What new skills and knowledge would you need to develop?

A SCIENTIST just like me

Free supporting resources for mechanical engineering

I bet you didn't know... articles use cutting-edge science research as a context for learning. Teacher Guides describing the research and activities and investigations for children can be used as classroom presentations:

- Water can be harvested from the air in very dry climates
- What small robots can do
- Toilets in the future may charge your mobile phone

Created by the Primary Science Teaching Trust

