

# Careers Chat



## ABOUT TIM CAREW

KNOWLEDGE EXCHANGE  
RESEARCH FELLOW  
(APPLIED AERODYNAMICS)

UNIVERSITY OF MANCHESTER  
SCHOOL OF ENGINEERING  
DEPARTMENT OF FLUIDS &  
ENVIRONMENT

### MY JOURNEY INTO SCIENCE

My journey into science started by asking questions. My dad is an engineer. Every Saturday morning, we would go to the shops together and I used the journey to talk about science and how the world worked – I loved to be able to explain to my friends (and teachers!) how everyday objects function. If Dad didn't know then I would try to find out by myself! Being curious and accepting that it's impossible to know everything is a healthy way to engage with science. On Sundays, we would watch Formula 1 and this is where my passion for Sports Engineering began – I loved how science and engineering could help make the cars fast, and realised that I could help to design a Formula 1 car one day if I worked hard.

### MY JOB

Currently, I work at the University of Manchester as a researcher of applied aerodynamics. This is a cool job as I get to use my knowledge to solve lots of interesting problems. As part of my job in Manchester, I work with Olympic and Paralympic athletes to design track bicycles. Airflow is hard to describe because we generally can't see air moving, but I take so much pleasure in helping other people to understand it. This takes practice, so start now and get talking about science!

Before this, I worked as an aerodynamicist in Formula 1 and helped to design cars for the Ferrari team. Meeting drivers and explaining car concepts to them was exciting!

### MY HOBBIES

Both Dad and I are keen golfers, which makes sense as golf equipment requires some very cool engineering. Importantly, this also gets me outside, which I also achieve by going for long walks with my wife, daughter and golden retriever Odin. To satisfy my creative side I play guitar in a rock band!

### A QUESTION I WANT TO ASK

Albert Einstein once said that if you can't explain something simply, then you don't understand it well enough... What is the lowest number of words you can use to describe how ink comes out of a pen?