

Career Profiles

Name:
Vicki Chase

Occupation:
Senior Research
Analyst & Forecasting Lead
At NATS (National Air
Traffic Services)

Daily Tasks:
Use mathematical modelling and analysis to:
- forecast the number of flights in the UK airspace
- understand how different factors affect this and NATS

I found the work I did at NATS so interesting...
I have now been at NATS over 10 years and have worked in many areas of the Analytics department, from calculating the risk of accidents to now forecasting air traffic and revenue.



Name:
Steve Shaw

Occupation:
Perfect Trip Manager

Daily Tasks:
- Create a mathematical model which ensures that people's luggage remains safe when they fly from source to destination
- Continuously find ways of improving this model

Why do you need Maths?
Maths demonstrates aptitude, logical thinking and analytical processes which are essential skills in any industry not least the armed forces. It trains you to develop problem solving skills for example even now I am working out distance speed



Name:
Matt Parker

Occupation:
Maths Communicator /
Stand-Up Mathematician

Daily Tasks:
- Run workshops for students, encouraging them to want to learn more about Mathematics
- Give Maths talks to teachers
- Inspire people and makes Maths exciting



Name:
Georgie Mellor

Occupation:
O.R. Consultant for British
Airways

Daily Tasks:
Use Maths to make
decisions for British Airways

What skills do you use in your job?
I use Optimisation (e.g. to improve ground staff rosters), Linear programming (e.g. to make optimal fleet purchase and configuration decisions). Also simulation (e.g. to model the flow of passengers through the terminal to make decisions about manpower and equipment) and forecasting (e.g. passenger cancellations).



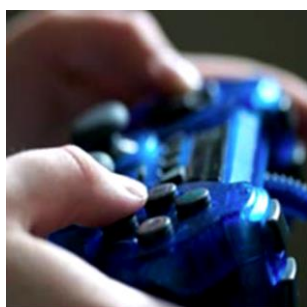
Name:
James Rigby

Occupation:
Computer Games
Programmer

Daily Tasks:
Create new games on the
computer by being able
to program using Maths

What influenced your career choice?
I love solving problems, and a computer programmer solves problems all day long, so it was a perfect match for me.

Which skills do you consider to be essential for your job?
Good problem solving skills. Good programming skills. Some statistical analysis ability is a plus.



Name:
Lauren Petrie

Occupation:
Data Analyst at ORH
(Operational Research in Health)

Daily Tasks:
Analyse the performance of
emergency services (e.g.
ambulance and fire) and build
models to identify options for
improving their performance.

How do you think your Mathematics background helps you in the day to day aspects of your job?
It's developed my logical reasoning and numerical skills, which enables me to quickly solve and understand any complications that arise.

