Imperial College
London

Case Study: Internship

Francesca Mazzone, Third Year Materials Student

Which company did you undertake work experience with?

Rolls-Royce plc (Materials Engineering)

How did you go about finding the internship?

One of my course mates did it the year before

What was the application and interview process like?

a) Online application which involved questions about my background and my interest in Rolls-Royce
b) Online numerical and logical tests
c) Assessment day which comprised of a technical interview, skills-based interview, numerical tests, business case and group exercise.

How big was your team and where did it sit in the organisation?

I worked in the Metal Matrix Composites (MMCs) Team in Materials Capability Acquisition.

What was your role and what did it involve?

I was a summer intern helping out on different parallel projects about next generation metal matrix composites. Due to the

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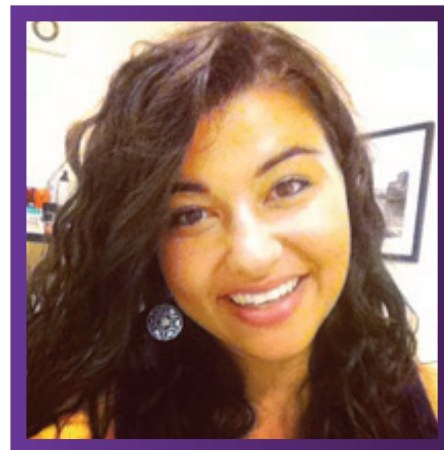>
> - Francesca Mazzone

confidential nature of the project I'm unable to go into any more detail. I was trained in the use of a Scanning Electron Microscope (SEM) and in sample preparation. I also collaborated with great experts in aerospace materials.

What was the most valuable thing about your work experience?

I was encouraged and trusted to make a contribution and give recommendations to senior Rolls-Royce employees. I learnt how to think outside the box and be more self-confident. It was significant to both my professional and personal development.

Do you have any tips for future Imperial students looking to make the most of their summer?

A summer internship at Rolls-Royce is a great experience as it gives you an insight into industry and all the possible doors it can open for you. It allows you to collaborate with senior employees who can give you very valuable advice for your future career. It's easier to guarantee a job afterwards and finally it's well-paid!

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