



Baldeep - Design Engineer

Baldeep is working hard to help make the future of high speed flight a reality

Halfway through his A-levels, Baldeep realised he wanted something different. "I was studying Maths, Physics and Business Studies which felt like just reading from a book and trying to learn something. That didn't work for me - I wanted to do something more hands on."

Starting a technician apprenticeship with Reaction Engines seemed like the best way forward. At its base in Oxfordshire, Reaction Engines is developing the future of high speed flight, a hypersonic air-breathing engine called SABRE™. This new class of engine will bring together rocket and jet aircraft technology to help bring about the next generation of air and space travel vehicles.

As a technician, Baldeep was working right at the forefront of the core engine technology. "A technician's role isn't just to do one specific task - it's to look at an engineering design and look at implementing it, maybe manufacturing things, inspection and assembling things, and then if something doesn't work, looking at what the root cause is."

The skills he learned as a technician have helped him succeed in his new job as a Design Engineer. "I've always been interested in art and design, so I've always seen myself going into design."

But he'd definitely recommend beginning your career as a technician. And if you're struggling to know if you'd be right for the job, he's got tips. "If you can think 'it's not the end of the world if I break something because I'll find a way of putting it back together' then that is a really good start!"

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technicians.org.uk

2009
Completed GCSEs; began studying for A levels in Maths, Physics and Business Studies

Sept 2010
Stopped his A-level courses to start a Level 3 Mechanical Engineering apprenticeship at Reaction Engines

2014
Became a Junior Design Engineer whilst studying for a HNC and HND in Mechanical Engineering at Newbury College

2016
Began a part-time BSc in Mechanical Engineering & Design at Birmingham City University

2018
Finished his degree and became a full-time Design Engineer at Reaction Engines



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