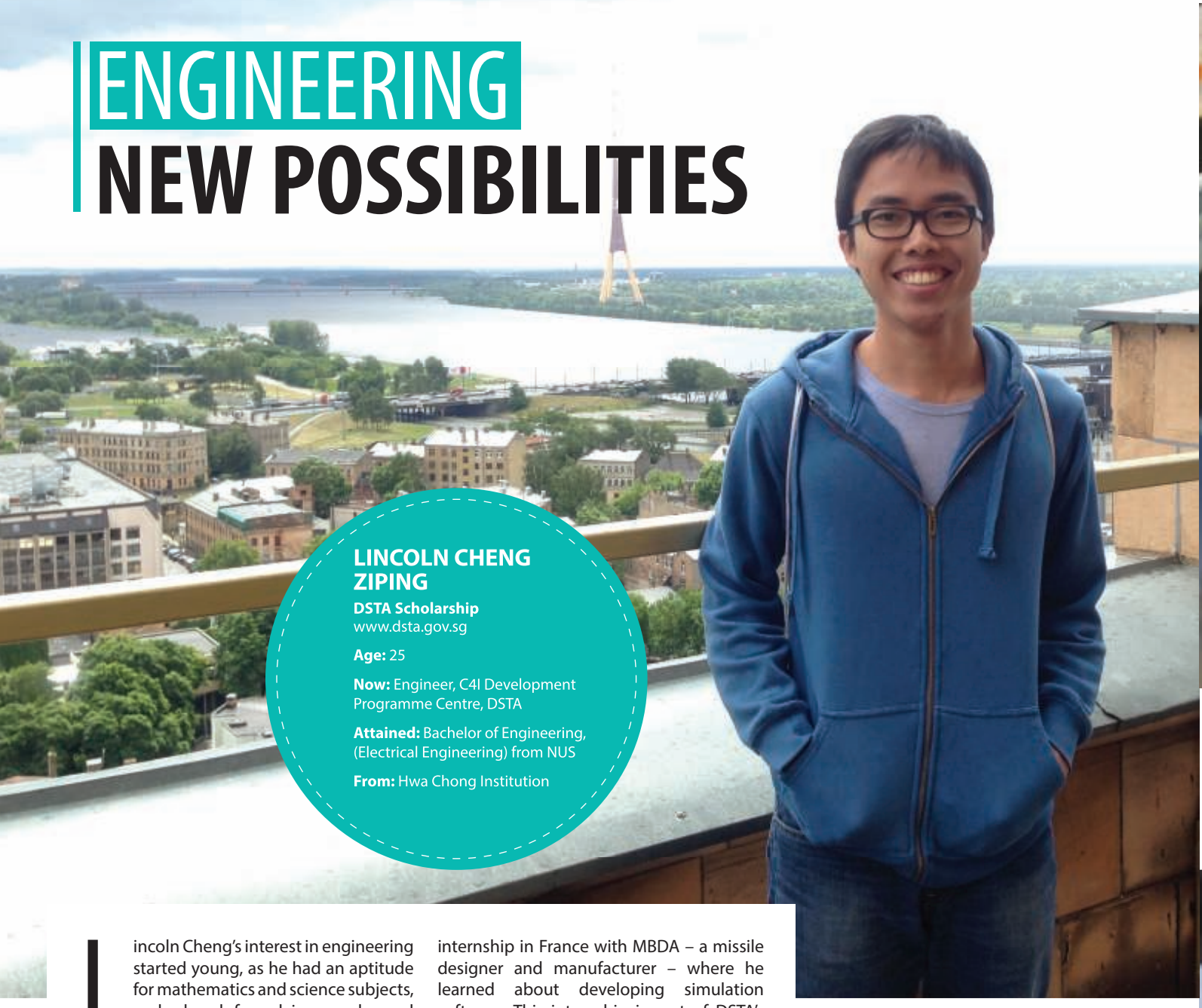
ENGINEERING NEW POSSIBILITIES



LINCOLN CHENG ZIPING

DSTA Scholarship
www.dsta.gov.sg

Age: 25

Now: Engineer, C4I Development Programme Centre, DSTA

Attained: Bachelor of Engineering, (Electrical Engineering) from NUS

From: Hwa Chong Institution

Lincoln Cheng's interest in engineering started young, as he had an aptitude for mathematics and science subjects, and a knack for solving puzzles and problems. 'Growing up, I was fascinated by how technology is able to provide realistic solutions, and transform concepts into reality. I always knew I wanted to be an engineer, so that I could make a difference in the lives of people in this way,' Lincoln says.

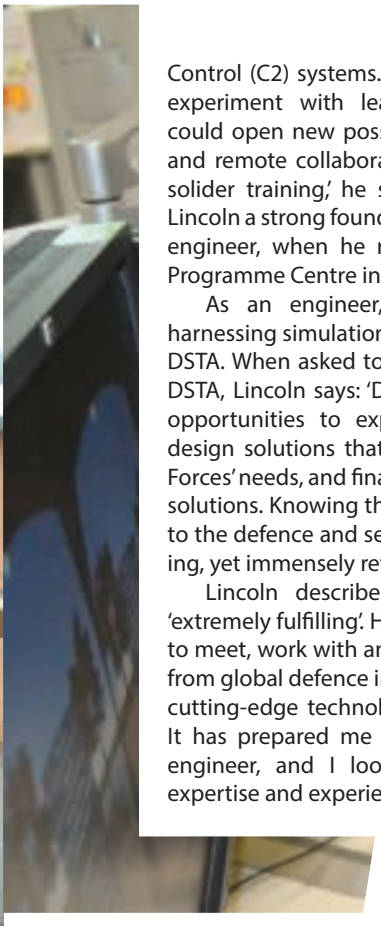
While researching on scholarships, the DSTA Scholarship stood out as one that could combine his childhood interests with his passion to make a difference. It was for this reason that Lincoln decided to pursue his undergraduate studies in Electrical and Computer Engineering in NUS under the DSTA Scholarship.

While studying at NUS, Lincoln gained overseas exposure with a one-month internship in France with MBDA – a missile designer and manufacturer – where he learned about developing simulation software. This internship is part of DSTA's Global Internship Programme (GIP) to provide DSTA Scholars the opportunity to learn and work alongside engineers in top multinational companies.

Lincoln recalls: 'I had the rare opportunity to gain technical knowledge on the various aspects of missile technologies. I was also mentored by technical experts in the company who were very enthusiastic in sharing their knowledge and experiences with me.'

Under the DSTA Scholarship, Lincoln also completed an internship at DSTA's C4I Development Programme Centre in 2015, where he explored the use of immersive technologies like virtual reality and game technologies for Command and

The DSTA Scholarship provided Lincoln Cheng diverse exposure and opportunities, which gave him a head start in his career as a defence engineer



Control (C2) systems. 'This internship allowed me to experiment with leading-edge technologies that could open new possibilities in immersive solutions and remote collaboration capabilities, especially for solider training,' he says. This experience provided Lincoln a strong foundation for his career as a defence engineer, when he returned to work at the same Programme Centre in 2016 after his studies.

As an engineer, Lincoln's work now entails harnessing simulation technologies for C2 systems at DSTA. When asked to share his thoughts on work at DSTA, Lincoln says: 'Defence engineers are provided opportunities to explore the latest technologies, design solutions that best fit the Singapore Armed Forces' needs, and finally witness the delivery of these solutions. Knowing that my work contributes directly to the defence and security of the nation is challenging, yet immensely rewarding at the same time.'

Lincoln describes his scholarship journey as 'extremely fulfilling'. He says: 'I have the opportunities to meet, work with and learn from leading engineers from global defence industries; as well as exposure to cutting-edge technologies for defence applications. It has prepared me well for my role as a defence engineer, and I look forward to developing my expertise and experience in this field.' ❑

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