



1  
00:00:20,880 --> 00:00:22,880  
My name is Zhixian Li, I go by Tim.

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00:00:23,920 --> 00:00:27,440  
I am a welding engineer with Lockheed Martin

3  
00:00:27,440 --> 00:00:30,080  
at NASA's Michoud Assembly Facility.

4  
00:00:31,840 --> 00:00:38,560  
As a welding engineer, my responsibility is to develop a robust weld process

5  
00:00:38,560 --> 00:00:45,040  
and to make sure it can be smoothly transferred to weld the flight hardware

6  
00:00:45,200 --> 00:00:50,000  
in a highest quality for NASA's space systems.

7  
00:00:50,870 --> 00:00:54,950  
The coolest part of my job is that my work is very interesting.

8  
00:00:55,440 --> 00:00:59,680  
We face challenging issues at work on a daily basis.

9  
00:01:00,480 --> 00:01:03,520  
That makes my job interesting.

10  
00:01:04,400 --> 00:01:13,040  
I have been involved in the early development work on friction stir welding since I was hired in at MAF 18 years

11  
00:01:13,411 --> 00:01:16,291  
At that time it was a fairly new technology.

12  
00:01:16,640 --> 00:01:21,840  
Over the years, I have seen the friction stir welding technology

13  
00:01:21,920 --> 00:01:28,960

has been matured and implemented on the External Tanks' production and NASA's future space systems.

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00:01:30,000 --> 00:01:35,520

As a part of the team, I feel my effort made a difference.

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00:01:35,946 --> 00:01:42,946

After I graduated with my Master degree from the Institute of Metal Research, Chinese Academy of Sciences,

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00:01:43,520 --> 00:01:49,840

my dream was to get an advanced education in science and engineering from the west.

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00:01:50,240 --> 00:01:56,000

So I worked very hard on my English and applied Universities in the States.

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00:01:56,560 --> 00:02:08,000

I was lucky enough to obtain a research assistant scholarship to pursue my Ph.D. degree in Polytechnic School

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00:02:08,640 --> 00:02:12,240

After I graduated with my Ph.D. degree,

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00:02:12,476 --> 00:02:15,276

I decided to find a job in the United States

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00:02:16,000 --> 00:02:20,720

and landed the current job to work on space systems for NASA.

22

00:02:21,199 --> 00:02:24,319

My advice for students watching today would be

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00:02:24,320 --> 00:02:31,920

study hard on math and sciences and find opportunities to do internships with NASA or other agencies.