

SOUND BITES



INSIGHTS TO INSPIRE

NASA
PEOPLE &
CAREERS

1
00:00:00,000 --> 00:00:03,520
What motivates you about your work? I\h
want my success at NASA to be measured\h\h

2
00:00:03,520 --> 00:00:09,360
in how many startups can we generate that\h
produce those turbo pumps for Artemis,\h\h

3
00:00:09,360 --> 00:00:15,920
or produce those next generation hybrid\h
electric aircraft engines that run on hydrogen.

4
00:00:16,800 --> 00:00:19,520
So my name is pronounced Paht Juangphanich.\h\h

5
00:00:20,160 --> 00:00:24,320
But people call me Pat because it's\h
just easier for them to pronounce.

6
00:00:24,320 --> 00:00:28,800
What you do at NASA Glenn: My research is\h
mostly on gas turbine engines, specifically\h\h

7
00:00:28,800 --> 00:00:33,840
with optimization design and machine learning.\h
What is your advice for the younger generation?\h\h

8
00:00:33,840 --> 00:00:37,200
Keep challenging yourself don't be\h
afraid to make mistakes and learn\h\h

9
00:00:37,200 --> 00:00:39,440
from them. The more mistakes you make, the better.

10
00:00:39,440 --> 00:00:42,720
Where you find inspiration: I find a lot of\h
inspiration from the internet and I see a lot\h\h

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00:00:42,720 --> 00:00:49,280

of people um like making Youtubes on stuff and
that kind of inspires me to learn from them,

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00:00:49,280 --> 00:00:52,400

and also find out how I can
apply their work to my work.

13

00:00:52,400 --> 00:00:58,960

What was your path to NASA? I started at NASA
as a Pathways intern. I knew I liked math.

14

00:00:58,960 --> 00:01:05,200

knew I liked science. And I like a challenge
most of all. And when I went to grad school,

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00:01:05,200 --> 00:01:09,520

I just picked the hardest degree I could pick,
and to me that was aeronautical engineering.

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00:01:09,520 --> 00:01:13,360

What you do in your free time: I
dance. This is because in grad school,

17

00:01:13,360 --> 00:01:17,520

I didn't go party as much as I should
have, and now I'm making up for it.

18

00:01:17,520 --> 00:01:21,520

Favorite cultural tradition: So I'm from Thailand.
I speak fluent Thai. My favorite part about

19

00:01:21,520 --> 00:01:27,200

Thailand is eating all the snacks and how cheap
they are. Because if you know the right vendor,

20

00:01:27,200 --> 00:01:32,240

you can get like the whole bunch of sticky
rice, and we have this thing called Khao Lam,

21

00:01:33,920 --> 00:01:39,840

which is like sticky rice inside of a bamboo,\h
and they roast it. It's really delicious.

22

00:01:39,840 --> 00:01:41,840

What you do for fun: I like\h
to play tennis for fun.\h\h

23

00:01:41,840 --> 00:01:47,360

I have a cat that I like to take for walks.\h
Doesn't go very far, but it is entertaining.

24

00:01:47,360 --> 00:01:49,200

Entertaining for you or for\h
Sticky? Both of us, I think!

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00:01:49,200 --> 00:01:54,240

How have you created a supportive network?\h
Whenever I got detention in elementary school,\h\h

26

00:01:54,240 --> 00:01:58,080

I would always try to take my friends\h
with me because that way the punishment\h\h

27

00:01:58,080 --> 00:02:03,680

is sort of like spread out amongst all your\h
friends. At NASA I apply the same principle\h\h