Hey everybody welcome back to NASA in Silicon Valley live. I'm your host Abbey Taber and if this is your first time joining us NASA and Silicon Valley live is a conversational show out of NASA's Ames Research Center where we talk about all the nerdy NASA news you need to know. So right now we are simultaneously live on twitch.
YouTube Facebook and periscope but if you want to join in the chat and ask our guests questions you need to do that on Twitch so join us at www.ablenetinc.com

[Music]

for the NASA internship program here at Ames Research Center so I get to help bring students here to Ames and then support them throughout their time here awesome yeah nice job thank you so much

my name is eva Morrow's I'm also an intern program coordinator here at NASA

Ames but I'm also the internship communications coordinator for the
agency so in that role specifically I get to engage the public to the Internet experience and I do this by highlighting all the fun things that are our interns you know do across our social media platforms oh sweet excellent all across NASA missions very cool nice job also so before we get into talking about internships I want to remind our audience that we're counting down to an important milestone in human space exploration so 5 years from now we're planning to send the first woman and the next man to the surface of the Moon as
part of our Artemis program and this

00:02:39,060 --> 00:02:44,039
clock you see right here is counting

00:02:41,219 --> 00:02:46,859
down the days hours minutes and seconds

00:02:44,039 --> 00:02:48,419
until 2024 when our astronauts will

00:02:46,860 --> 00:02:51,360
return to the moon so we'll talk more

00:02:48,419 --> 00:02:54,119
about that later in the show and get on

00:02:51,360 --> 00:02:56,010
to our main topic today so every show

00:02:54,120 --> 00:02:58,769
that we do we're always asked the same

00:02:56,009 --> 00:03:00,810
question how can I work at NASA so one

00:02:58,769 --> 00:03:03,689
of the ways to get started is to become

00:03:00,810 --> 00:03:05,849
an intern so that's our first question

00:03:03,689 --> 00:03:06,389
for you guys today everybody wants to

00:03:05,849 --> 00:03:08,460
know how

00:03:06,389 --> 00:03:09,959
do I get an internship at NASA right so

00:03:08,460 --> 00:03:12,510
it's probably the most common question
that we get and the first thing we just recommend students to do is to apply. Yeah, just apply. It's just yes, yes. Yes.

so internships from NASA are all posted on one specific application system and that's intern.nasa.gov okay. So what's you know, great about that application system is that internship opportunities are available year-round.

so we have three sessions which are fall, spring, and summer. So you know again through internachi.gov students have the ability to apply to up to 15 opportunity.
projects and these projects are available for all students so in high school if you're a high school student if you're undergraduate student and a graduate student you can apply through internet.gov okay all sorts of opportunities people with different levels right very cool what does it look like you're talking about searching for projects on the site what kinds of projects do we mean and what does that look like yeah so my cable said the whole agency uses this one portal so each of the centers not just
aims use the site to post their projects

for interns and the way it works you upload one application so you're filling out you know your your school your major your work experience things like that all in one place and once that gets complete and submitted and you can search the portal for different projects and so you can search you know you search by major you can search by keywords interests and you can apply it up to 15 of those projects is it like searching through job postings new jobs available there's their description of
the project it will tell you what Center

00:04:46,860 --> 00:04:51,300
is located at and any skills certain

00:04:49,410 --> 00:04:52,800
skills that they're looking for okay why

00:04:51,300 --> 00:04:54,509
don't you tell us a little bit about the

00:04:52,800 --> 00:04:55,829
different NASA centers I don't cover all

00:04:54,509 --> 00:04:57,478
of them in the portal right that's right

00:04:55,829 --> 00:04:59,819
that's right so there's 10 NASA centers

00:04:57,478 --> 00:05:01,649
as well as a few field sites and all of

00:04:59,819 --> 00:05:05,219
them offer internships and they're all

00:05:01,649 --> 00:05:08,250
located at that intern nasa.gov and so

00:05:05,220 --> 00:05:09,120
yeah we're obviously here in Silicon

00:05:08,250 --> 00:05:11,250
Valley California

00:05:09,120 --> 00:05:13,470
but there's NASA centers down in

00:05:11,250 --> 00:05:15,810
Southern California Armstrong Flight

00:05:13,470 --> 00:05:18,480
Research Center there's obviously
Johnson Space Center in Houston Texas

we have Kennedy Space Center in Florida

so all sorts of different places some internships they choose to apply to centers

close to home so whatever's nearest to

them but also each Center has kind of

their own area of expertise so if you

research the center's and kind of find

what lines best with your interest you

can kind of tailor your applications to

that oh yeah yeah make sense if you want

to do biology if you want to do

aerospace engineering you can pan a good

center for that shirt for you
outstanding all right so what are some of the specific requirements that people are going to face when they want to apply right so we have four eligibility requirements the first one is that you have to be a US citizen and then the next one is that you at least have to be 16 years of age the third is that you have to be enrolled in a degree granting program or institution and the last one is that you always have to have a 3.0 GPA on a 4.0 scale all right okay people can probably find that stuff on the portal as well yes okay and we'll talk.
more about those as well so another

question we always get on the show is

what should I study if I want to work at

NASA do I have to do aeronautical engineering right you need to be this

kind of person are there specific majors

you recommend so we are NASA we're

pretty stem focused it's a lot of

science technology engineering and math

those are probably the majority of our

internships but we also do have non-stem

opportunities we have interns in the

business office we have interns in the

legal office the education office
communications office so but NASA really

00:06:50,879 --> 00:06:54,269
does need everyone and you know they

00:06:52,709 --> 00:06:55,709
need all kinds of interns and all kinds

00:06:54,269 --> 00:06:56,819
of perspectives all right there's a

00:06:55,709 --> 00:06:58,169
little something for everyone I think

00:06:56,819 --> 00:07:00,000
that's great I think it's always a

00:06:58,170 --> 00:07:01,290
surprise to people that like oh if I'm

00:07:00,000 --> 00:07:04,319
in she's done being a lawyer actually

00:07:01,290 --> 00:07:07,140
maybe I could work for NASA actually you

00:07:04,319 --> 00:07:09,120
can be people like us right not actually

00:07:07,139 --> 00:07:11,250
scientists that we get to contribute to

00:07:09,120 --> 00:07:13,199
the missions yeah you know just going

00:07:11,250 --> 00:07:14,339
off of that we always tell students that

00:07:13,199 --> 00:07:16,560
you don't know what projects are

00:07:14,339 --> 00:07:18,209
available so I think part of that is for
them to kind of check out internet

nasa.gov and see what's out there so

what I really mentioned earlier each Center is different and the needs are
different at each Center so just we just encourage everyone to do that research

and see what's out there

yeah that sounds exciting go explore dig

in there and see what

yeah yeah so when and how exactly should people go about preparing their application and submitting right great

so as I mentioned earlier the application system is internet gov yeah
so it's always important to know the deadlines as I mentioned you know we have three sessions that we accept insurance so that's fall spring and summer and it's always great to apply early and plan ahead so for you know the application deadlines you can visit internet on nasa.gov to see what's ahead.

now would be a great time to start applying for spring 2020 oh really right so it's pretty far in advance right it's gonna ask you how far in advance advance is early and right anywhere from at least one to three months ahead so
things to expect you can at least expect

to have one letter recommendation so one

thing we always recommend to students is

that you know try to select someone that

can speak highly of you you know whether

that be your work experience college

advisor or a college professor again you

know we want them to highlight you know

your strengths you can definitely have

more than one letter of recommendation

but if you're if in order for your

profile to be complete you at least need

one okay makes sense the second thing is

that you can expect to provide a
transcript so again we need to verify

00:08:51,190 --> 00:08:55,960
that you have a 3.0 you know based on a

00:08:53,980 --> 00:08:57,879
4.0 scale yeah

00:08:55,960 --> 00:09:00,430
and then the application system itself

00:08:57,879 --> 00:09:02,439
also asks for a personal statement so be

00:09:00,429 --> 00:09:04,389
expect to you know answer why you and

00:09:02,440 --> 00:09:06,880
why do you want to intern at NASA yeah

00:09:04,389 --> 00:09:08,559
yeah so all these are good reasons to

00:09:06,879 --> 00:09:10,689
start early right I know it takes time

00:09:08,559 --> 00:09:12,669
to order that transcript and give your

00:09:10,690 --> 00:09:14,890
professor more than a few days to write

00:09:12,669 --> 00:09:16,659
your letter right right right yeah and

00:09:14,889 --> 00:09:18,189
it's something we recommend a lot is you

00:09:16,659 --> 00:09:20,199
know get started on the application part

00:09:18,190 --> 00:09:21,430
well in advance you know months in
advance but then keep checking back

because sometimes new projects are uploaded all the time so keep checking

back to see you know what's there okay

it's available so it's a rolling system

kind of how the projects are posted it

is yeah all right you know the last

thing that I also just want to add is

that a resume is optional but it's highly encouraged so again you know a

resume is just a quick snapshot of who you are right so the

is a great time for you to highlight

what stem or NASA experience you may
have and again you know there's different people who looking at your application and also the mentors so again it's a great opportunity for you to mention what experience you have okay right and have some bullets of interest to your application yes all right okay so that's like the nitty-gritty the nuts and bolts of applying let's talk about why people should you know what's so great about being an intern at NASA yeah well for starters you're at NASA we're starting right at your time here yeah you get to me the most amazing people
you get to see the most amazing things

you get to really just like geek out for

10 weeks or however long you're here so

it's yeah incredible experience first of

all NASA aside but um the thing that's

unique about our internship program is

that interns they're working hands-on on

projects actual NASA projects so you're

paired with a mentor who's usually you

know a project lead or some sort of

expert in their field and they're and

you're working on their project you're

an integral part of it so you get to do

something you know that's actually a

something you know that's actually a
part of a NASA mission

00:10:51,730 --> 00:10:55,000
yes really yeah yeah yeah so I'm not

00:10:53,740 --> 00:10:56,680
just watching you're not standby

00:10:55,000 --> 00:10:58,809
watching them work it's getting coffee

00:10:56,679 --> 00:11:01,509
and you know checking emails like you're

00:10:58,809 --> 00:11:03,219
actually doing research which is awesome

00:11:01,509 --> 00:11:05,769
and so it's exciting especially right

00:11:03,220 --> 00:11:07,960
now with the Artemis program we have

00:11:05,769 --> 00:11:09,699
students who their work is you know

00:11:07,960 --> 00:11:11,440
directly related to the Artemis program

00:11:09,700 --> 00:11:13,629
so they're helping to put the first

00:11:11,440 --> 00:11:16,360
woman and in the next man on the moon by

00:11:13,629 --> 00:11:18,189
2024 and right onto Mars so yeah it's a

00:11:16,360 --> 00:11:22,840
really long time to be in it and they're

00:11:18,190 --> 00:11:24,460
also yes yes week which a lot of our
interns got to celebrate it was perfect

timing it's like the interns this summer

excellent so I know that the work

they're doing here could potentially

lead to their future careers right and

actually that's what happened for you is

about your story of interning so a few

years ago I was actually an asset intern

myself I was in grad school studying

education planning to be a teacher

NASA was nowhere on my radar

the environments so exciting the people

everyone's so enthusiastic about NASA

work and so I just I fell in love with
it and you know I finished up my
master's program and my mentor at
Marshall helped me to find and find
full-time positions to apply to and yeah
I ended up here that's and I'm still
loving it yeah I remember you told me
the other day everybody was working on
the Space Launch System you have a new
rocket that's coming in really felt that
excitement yeah yeah so I totally
understand the excitement for Artemis
that our interns are feeling now because
I was at Marshall I obviously wasn't
working on the rocket or doing anything
related but I just felt a part of it and it was really exciting and it made me wanna stay so you know you just want to add that these type of success stories are relatively common here at NASA it's amazing and in my position as I mentioned I get to highlight a lot of these great intern highlights and just on top of my head I know here at NASA Ames Research Center our Center Director Eugene too was a former intern that's right yeah and I know we've also highlighted our know social media platforms that Marshall Space Flight
Jody singer was a sole former intern and

then lastly our associate ed Minister

for some engagement my Kinkaid was also

former intern as well so again you know

great the possibilities are endless

right right this could be where it all

begins

oh it's standing well that is enough

talk about the interns how about we meet

one I know you guys brought some guests

with you so let's go ahead and meet our

first real live NASA intern come on out

Jordan

Jordan welcome how are you thank you
for having me I'm doing great how are you guys well we're great we're excited to talk to you about what you're doing here this summer at NASA why don't you tell everybody your name and where do you go to school what are you studying so my name is Jordan Carlin I am a biology chemistry double major with an emphasis in pre-med and a minor in psychology at Kentucky Wesleyan College okay [Applause] standing so what are you working on here at NASA this summer so I am lucky enough
to be working on this really cool project on the astrobiology and life support branch here at NASA Ames working with the water group so the big issue for us is water is obviously very important in space and we used a lot for our technology for life support and so we're doing research on using nanoparticles to try to sterilize that water so then we don't run into any type of mutations that could damage the aircraft damage you know the any of our life support systems okay so that's what I've been doing all summer so water is
critical right yes when you say life

support that can be just drinking water

ice but then also we can make rocket

fuel I gather from water so it's an

important resource we're constantly

recycling it and reusing it so we want

to make sure it's clean nothing goes

wrong so that's where my job plays in

all right excellent important stuff

that's very important really cool yeah

and you're really do you feel like

you're part of the mission because

you're working you're contributing

towards the Artemis program do you feel


that yes it's so insane and I was

00:15:32,259 --> 00:15:35,740
talking about yesterday I mean my

00:15:33,820 --> 00:15:37,840
grandparents remember like the moon

00:15:35,740 --> 00:15:40,419
landing and the fact that my generation

00:15:37,840 --> 00:15:42,700
gets to be a part of something so

00:15:40,419 --> 00:15:45,429
amazing and this big milestone of the

00:15:42,700 --> 00:15:47,400
Artemis program is incredible and with

00:15:45,429 --> 00:15:51,269
this internship you really feel like

00:15:47,399 --> 00:15:55,059
you're doing work that has purpose where

00:15:51,269 --> 00:15:57,039
you're actually hands-on and we're doing

00:15:55,059 --> 00:15:59,229
real research and we're not just getting

00:15:57,039 --> 00:16:01,579
coffee you're filling out paperwork and

00:15:59,230 --> 00:16:03,100
it's very special I know every

00:16:01,580 --> 00:16:05,750
one here all the interns have been

00:16:03,100 --> 00:16:08,060
freaking out and just loving it that we
feel like even if it's a tiny role we get to have some sort of role for the future yeah in space I think everybody at NASA feels that so I'm really glad

you're getting that this summer even yeah and I almost forgot that we had a little animation to show of the kinds of things your work could support of humans working on Mars so if we have that available we could run that while we talk a little bit more about your work can you describe a little bit about your water purification or or how you feel you're contributing yeah it's really
crazy water is used in so much in space

with you know the Artemis mission from moon to Mars working with life support

working with just the technologies that they run you know you need to filter

water through that so it's my job is using nanoparticles and different type of like chemical reactions to try to find ways to avoid any mutation so that we can make sure everything's safe and running so that's like if there's bacteria if there's any bacteria or anything like that it's really a special thing to be a part
of and like I said you feel like you're doing like real work and that's so exciting and the energy here is just so high being able to you know work it NASA and be able to have work that matters very very special I can imagine are you at all surprised to hear this or is this typical of interns reactions intern experience yeah this is really typical when we meet with our interns you know they tell the stories about their friends who are maybe working somewhere else and they're like you know they just don't have an experience like this
they don't get to do something that's

real that you know will be used at NASA

for years and years and years so yeah

you're a part of something that that

continues even after you finish your

internship which so yeah someday you

know you'll get to say those astronauts

they're using something that I worked on

it's basically I'm really helping out

I'm doing making a big difference was

all you

yeah it's always empowering hearing

stories like this oh yeah this is what

you make possible definitely awesome

what was your reaction when you found
out you were gonna get an internship at NASA is it was the day after my birthday funnily enough and I was with my best friend in the car and I get this email from Haley saying like congratulations we selected you and I was like a wreck like crying my eyes was like who doesn't dream of working at NASA like it's so incredible and I remember I was like on the phone with all my family my mom my dad like freaking out I was texting everyone I was like a complete wreck and I that excitement has not died down even from being here like every day I wake up
and I'm like oh my goodness like I'm at NASA like it's so cool who wouldn't want to say that I go to work so cool what was your first impression then when you got here were you in two days I was driving and I saw the big like hangar and I just freaked out my mom was Smith was with me and I was like oh my gosh mom like this is real like this is NASA I was just flipping out and I was texting my roommate here and she cried too so I felt a lot better and then it was very overwhelming when we had orientation and
we got to meet our mentors and just

everyone here is so excited and

passionate and they're so nice I thought

you know I'm an intern they're not gonna

take me seriously they're gonna brush me

aside but everyone was very like open

arms very excited about like what we can

do and what we bring to the table so it

was really nice to feel like valued and

important here at the Center for sure

yeah I always hear that around the

center the interns are actually really

valuable members of the team right yeah

excellent do you have any advice for
students who are thinking about applying

so my advice would be to be confident I

for sure never thought that I would get

this but I just applied I think when

you're doing your application they have

a lot of like short answer type of

questions I think you should really let

personality shine through because

they're definitely looking for genuine

people and if you are passionate about

something if you love science and you

make that very like your forefront I

think a lot of people cut like really

pick up on that so I would say all the

mentors here they're really looking for
you know an authentic well-rounded person so I would say definitely just be confident in yourself put your passions out there and don't be scared because you could get an internship I don't I'm very grateful I'm here and I definitely when I applied was like I will not get this right right but I really just talked about my passions and the pre-med and life support and I'm here so my advice is just don't doubt yourself mm-hmm that's excellence good for you finding that confidence and you always got to
say you can't get it unless I try so

exactly exactly exactly so when you

applied for did you apply to multiple

projects or did you focus on the one

that you knew you really wanted so on

the intern site you can apply to up to I

think I think I applied to all of

them it was very easy to apply they have

it all broken down by like major

interest so I put in like medical

biology chemistry the things that I'm

passionate about and I chose a couple

projects and I heard back from this one

and I immediately was like yes do this
one so yes yes definitely applied for

many many cuz like it's NASA mm-hmm that seems like good advice there must be a lot of people applying right yeah
definitely just so did you apply to all different centers yes I applied to a lot of different centers mostly Ames though because I love California I love the west coast and I just I really liked this Center particularly but I applied to a bunch of them mmm all right yeah cool any uh any other questions that you guys have always wanted to ask your interns
once they've died here

00:22:19,410 --> 00:22:24,330
what is something that surprised you

00:22:21,779 --> 00:22:28,440
about NASA yeah something cries me I

00:22:24,329 --> 00:22:30,539
would say how we do real work here like

00:22:28,440 --> 00:22:33,539
I kinda was walking into this thinking

00:22:30,539 --> 00:22:36,089
I'm gonna be filling out paperwork or

00:22:33,539 --> 00:22:38,309
not being able to really work in a lab

00:22:36,089 --> 00:22:41,039
but I got here and my mentor was like

00:22:38,309 --> 00:22:43,230
free game like here's your lab here's

00:22:41,039 --> 00:22:45,990
the issue that we have and we want your

00:22:43,230 --> 00:22:49,440
ideas and I was very surprised to feel

00:22:45,990 --> 00:22:51,329
very valued here and to feel like if I

00:22:49,440 --> 00:22:53,880
was sitting in a meeting that I could

00:22:51,329 --> 00:22:56,849
actually bring something up and that

00:22:53,880 --> 00:23:00,330
would be taken into consideration and I
was able to really do actual lab work

like I work in a lab every single day

and that was surprising and then

like the best way possible yeah so did

you come in prepared already to know how

to work in a lab or did they train you

when you got here they did train me when

I got here I had some lab experience but

they're really good about like safety

training making you feel comfortable and

the atmosphere is so great here that

like I'm not afraid to ask a question so

if I'm not sure if I'm doing something

right or my experiment it's just like
not gone how I wanted to I feel very comfortable here because they set up that atmosphere where you could just sit down with any of the scientists and be like hey I need a little bit of help I'm a little lost and everyone I've worked with has really taken time out of their day to help me out even people that aren't my mentor but like the other scientists at my building they've really made me feel comfortable and helped me a lot that's the wonderful thing here yeah that is good to hear standing any final thoughts
you would like to add I love it here
everyone should apply don't be scared to apply it's this has been probably the best summer I've ever had and it's just been an amazing experience wonderful oh yeah I'm happy for you thank you for coming and sharing well good luck with your internship two more weeks all right so to apply for an internship at NASA for more information learn more about it you want to go to the website intern nasa.gov so that was really inspirational like I want to be a NASA intern now that I have heard experience
I did some cool internships but nothing...

that rivals that so that's awesome yes

put these possibilities together for

them yeah it's nice to hear like she was

so excited getting an email from me it

definitely shows around the center

around like if there are talks it's

packed the auditorium is packed because

the interns are really excited to be

here and learn and be exposed to all

these different NASA likes so it's a

good reminder for me like there's cool

stuff happening here go see it

outstanding all right so let us do some

rapid fire what-if questions all right
if you guys are up for that let's do it

all right

so people are gonna have their own

special case right but these are some

common ones like what if I'm in high school

you have to be at least 16 years old but as long as you're 16 or older we do have opportunities available for high school students all right yes apply yes okay

and earlier you talked about the GPA requirement what if I don't quite have
that look is that firm or what can I do

to address that right so we understand

that an intern is a student first right

so if you don't have the GPA we always

encourage students who focus on school

first once you do have the GPA of a 3.0

on a 4.0 skill you know as I mentioned

earlier our internship opportunities are

available year-round so once you do have

a 3.0 we just encourage you to apply

then so just get your GPA up drag in the

next session right okay go back focus

yeah we're card and come back again when

you're ready yeah now what if I'm not a
US citizen

so situation there yeah the NASA

internship program it's required that

our interns are US citizens

there are a few select opportunities for

international students through the

international internships program and

there is more information about that and

turn a sadhaka of okay good to know that

those exist a few a few yes a few right

not not many but we have so many viewers

around the world who are excited about a

thing right right good for them to be

able to go look into that what if I
recently graduated from college do I

671 00:26:50,920 --> 00:26:56,230
have to feel like oh I missed my chance

672 00:26:52,960 --> 00:26:58,390
is it too late so it's not too late

673 00:26:56,230 --> 00:27:00,460
you're so eligible six months after you

674 00:26:58,390 --> 00:27:02,980
graduated so you would still be eligible

675 00:27:00,460 --> 00:27:04,690
if that's you okay all right six months

676 00:27:02,980 --> 00:27:07,480
after graduation so it's pretty common

677 00:27:04,690 --> 00:27:08,680
when students graduate in May they're

678 00:27:07,480 --> 00:27:10,390
still able to intern the following

679 00:27:08,680 --> 00:27:12,130
summer and yeah also the following fall

680 00:27:10,390 --> 00:27:13,990
okay right yeah that makes sense the

681 00:27:12,130 --> 00:27:16,630
next two sessions all right very good

682 00:27:13,990 --> 00:27:19,630
what if I'm enrolled at Community

683 00:27:16,630 --> 00:27:21,640
College yes definitely you know as long

684 00:27:19,630 --> 00:27:23,710
as you're enrolled in a degree granting
program or institution you're eligible

so that includes can we college students

another program that we encourage

questions to check out is the NASA can

in college aerospace Scholars also known

as n Cass so we've seen a lot of n ket

students become NASA insurance so that's

something for those college students to

check out alright a program specifically

for Community College then maybe from

there mm-hm yeah they're into the

internship right right and

simultaneously you can apply to both

programs as well okay very good
all right let me see about taking some questions from the chat okay well I think this one we have answered but it depends on this person's timing Buster Jerry asks can you pursue an internship even after graduating with an aerospace degree you sure can six months after graduation yes you can all right very good question here the real Seinfeld I'm applying for an internship at NASA and I need a letter of recommendation I know someone at NASA but are they allowed as a NASA employee to write a letter of recommendation yeah
they are hmm and we we see that that's pretty common so for example like the students who do in cast they'll ask they're in casts mentors to write them a lot of recommendations so definitely something we see definitely loud right and just as a reminder for letters of recommendation you always want someone that can speak highly of you so if that's the person then yes okay that's great that's a really specific question I'm glad you have the answer here's a question a rhetorical question from space TV net is there a cooler
internship anywhere in the universe

definitely not I don't think so

excellent point

here we also have answered this will

will remind them of the possibilities we

should be Rashad the eight-six 37 is

there any possibility of a person from

India to be an intern at NASA yeah they

would need to go as a internet nasa.gov

to see if their country is one of the

agencies that we have a partnership with

yeah all right

and that goes also for a moot is there

any way to get in without being a US

citizen there could be depending on
programs offered by your country right

and they can learn more at intern acida

Cove that's right that's the

one-stop-shop for internships at NASA

yeah it says right on the homepage I

think like I am an international student

or something you click it yeah you can

get all the information there okay

that's good so that yet it helps you

Kate it's very clear the information you

Yeah right there awesome um let's

see let's see I have some of my

questions I have some of the chats

questions
I like this personal I'm interested in

their profile the Jaypee guy I have a

philosophy degree can I find a job

anywhere at NASA yeah you know as we

mentioned well as Haley mentioned

earlier you know we do have some

non-stem majors opportunities for folks

you know not citing stem so we just

encourage you to visit internet nasa.gov

check out the projects that are

available read the project descriptions

and if it's a project that interests you

apply mm-hmm yeah barrilito 3 says too

bad I'm 16 but because what's the
minimum age minimum age is 16 so so
Linda YouTube's barrilito 3 you can
apply if you meet the other requirements
you're old enough or hang in there until
you finish school and come back in
college right alright um there are loads
more questions we can always come back
to these so I do want to jump ahead to
next intern so we can get another story
out here for people to experience so
this time we're gonna meet Vanessa come
on out Vanessa you're about another NASA
story research going on this summer hey
[Music]
[Music]
excited how are you doing today I'm

super good today

yeah just coming off work we did a lot

of research in the lab today so it's

been a good good lunch everybody your

name where you from what are you

studying

yeah I'm Vanessa um I am a senior at

Stanford and I also have kind of a

mouthful of a major I'm a human biology

major with the concentration and

neuroscience brain and behavior and then

I minored in astronomy and astrophysics

I love that you sound like someone who

is passionate about all sorts of things
and you didn't want to have to decide so you just went for it all yeah it's actually really exciting um because a lot of people are like oh that seems so different like astrophysics and biology but it's actually really really interesting because they go hand in hand pretty well one of the things that I'm really really passionate about is studying life in the universe and life and planets and worlds beyond our own and how we can foster that you're in the right place and it's really cool cuz Ames is one of the NASA centers that
specializes or has a lot of labs that work in the Biosciences and so astrobiology is a big thing here and it's really exciting the work that people are getting it is exciting but what exactly are you working on specific yeah so right now I work in an amazing lab my mentors are really cool shout out to Phil to scan an O and Patricia cowlings and we work in the psychophysiology labs psychophysiology yeah so it's really amazing work one of their biggest projects is they've created a training program for
astronauts called after and it basically

allows astronauts to control different physiological conditions in space and on earth such as their heart rate breathing rate temperature mentally so that's really amazing it's a six-hour training program and once they through it they can really control these things and it helps them space a lot with motion sickness because that's a symptom frequently experienced by a lot of astronauts and also when they get back down to earth they're a little dizzy and disoriented and this mental
training in six hours it's clinically

00:33:27,059 --> 00:33:32,309
they did clinical trials and it works

00:33:28,829 --> 00:33:34,589
better than the shots that people would

00:33:32,309 --> 00:33:37,079
have for like motion to medicine so

00:33:34,589 --> 00:33:39,209
that's really cool stuff and then right

00:33:37,079 --> 00:33:42,179
now we're doing a second fold project as

00:33:39,210 --> 00:33:44,850
well we're working on a bio suit paired

00:33:42,180 --> 00:33:46,860
with Canadian Space Agency as well and

00:33:44,849 --> 00:33:48,659
it can help astronauts monitor their

00:33:46,859 --> 00:33:50,909
physiological conditions in space too

00:33:48,660 --> 00:33:52,140
and report it back to them real time so

00:33:50,910 --> 00:33:59,490
we're testing it out in the lab right

00:33:52,140 --> 00:34:01,680
now oh cool the motion sickness studies

00:33:59,490 --> 00:34:04,980
what what are you doing to study that

00:34:01,680 --> 00:34:12,418
with yeah so our lab is infamous for
this thing that we call the chair and it spins at increasing rotations per minute and it mimics motion sickness symptoms in space and that astronauts often experience and so we're testing our test participants in the chair and seeing how they feel as time goes on and they're also wearing the suit so we're able to see like on our devices and they could see as well on their iOS device their heart rate breathing rate blood pressure and that's really indicative of how sick they're feeling hmm and then after they do the training
they’re able to see the screen with their physiological conditions and rates and things like that and mentally bring these things up or down in ways that mitigate sickness have you tried have you ridden in I wish so you have to go through medical clearance unfortunately so as interns or liabilities I guess I’d be willing to give it a try but I’ll watch last year chair yeah awesome so I can see how your work is gonna contribute to the Artemis program do you feel that in your day to day here how do you feel about that yeah so it is really
really exciting to be working at NASA during this time all the interns are really grateful we can feel the energy it's really cool because they're actually flying the spacesuits up the International Space Station right now.

oh really are and so we're continuing to test out the model and figure out ways that we can improve on it and a lot of amazing astronauts have worked with my mentors and had the motion sickness

training themselves like may jimson had it and she we have a ton of pictures of
them in our wall of our lab and when

they're signed like never felt sick

again like really great so yeah my

mentors are pretty much the goats and

it's really exciting to work with them

especially during this time knowing that

you're working on something that's gonna

carry people especially on longer

missions when we're headed to the moon

headed to Mars from there and that can

take a really big toll on the body that

we haven't foreseen before it's taking

such long space flights so they're

really going to need a lot of people in

biology and medicine coming out and
supporting this program so it's an exciting time for everyone what's that that is exciting

do you have a favorite thing about your internship yeah so my favorite thing about my internship I have to my first one is just really actually getting to contribute to the work that our lab is doing and interacting with our test participants and like talking to them and we have different tests in the chair they'll exercise wearing the suit to mimic a lot of conditions that astronauts might be under and see if the
suit holds up in them and interacting

I've got a clipboard like I'm running

the experiment um sometimes our mentors are there sometimes they're not um so

you're really like in charge of the experiment and that's really cool to have that handed to you and to be able to make an impact and to be treated taken seriously like when you come on and being able to prove that yeah I can set up and do this it's a really good feeling to contribute my second thing is hearing really cool stories from my
mentors they've been working at NASA for over 40 years so they're amazing so they have tons of stories about like going in those zero-g planes interacting with astronauts cosmonauts and like the Japanese astronauts all receive training from them so that's one of my favorite things too is to hear the stories and hear about their life experiences here and your really feel part of a legacy of like space innovation and just exploration and it's really exciting that is exciting you feel the past that came
before you know you're contributing to

00:37:46,588 --> 00:37:51,150
the Future to come yeah that's so

00:37:48,570 --> 00:37:53,599
awesome mm-hmm I want you to know that

00:37:51,150 --> 00:38:00,300
we have a comment from higher learning

00:37:53,599 --> 00:38:04,710
Vanessa and this person is sending in my

00:38:00,300 --> 00:38:06,060
application ASAP um it's great that you

00:38:04,710 --> 00:38:07,608
could apply pretty much any time of the

00:38:06,059 --> 00:38:16,739
year it's really exciting

00:38:07,608 --> 00:38:19,920
outstanding how cool is she geez no you

00:38:16,739 --> 00:38:23,219
Vanessa I'm looking for other questions

00:38:19,920 --> 00:38:25,289
that might be great for you well

00:38:23,219 --> 00:38:27,179
someone's asking was the process of

00:38:25,289 --> 00:38:29,309
getting the internship specifically what

00:38:27,179 --> 00:38:32,460
time did you apply and you can plan on

00:38:29,309 --> 00:38:33,750
staying about that part but um could you

00:38:32,460 --> 00:38:37,240
you can find out more information on our

00:38:35,240 --> 00:38:39,239
website nasa.gov internships

00:38:37,240 --> 00:38:40,889
for the latest application opportunities

00:38:40,889 --> 00:38:45,169
and how to apply to those opportunities

00:38:44,169 --> 00:38:49,990
so you can check that out and get

00:38:48,990 --> 00:39:01,280
some information on how to apply for

00:39:00,480 --> 00:39:05,099
the NASA internship program
tell us a little bit about like how far

in advance did you apply did you choose

a bunch of projects or one or yeah so I

chose a lot of projects at Ames since

they had a lot of biology based programs

and I'm a biology major um not a flight

engineer or anything like that but yeah

so they had a lot of aims and so I

filtered it by Biosciences biology cell

science things like that things that I

was really interested and excited about

um and I found three that I applied to

here that like really stuck out to me

and so I started applying probably
thinking about it like three months in advance I started writing my application about one month in advance but I think that it is really important with some cool advanced planning that you can do starting in the months prior I really recommend thinking about like things that you could say or like passions that you could write about that really makes your personality shine through your application but also thinking about your letter of recommendation who's going to write it and like who you want to speak on your
behalf and if that person can actually show some stories about you and like how you've taken X skill that they have on the application and a story about how you've applied it and also putting that in your own application like kind of spitting out the qualifications that they want but with an example that you've done on your own is really great and another thing about letters of recommendation that I learned in college that is really helpful is that you don't actually have to let your recommenders like go into the wind and just say hey
can you write a recommendation for this

00:39:59,460 --> 00:40:03,929
program and you can actually suggest

00:40:01,530 --> 00:40:05,820
certain talking points when you talk to

00:40:03,929 --> 00:40:07,469
them I email them like oh it would be

00:40:05,820 --> 00:40:10,050
awesome if you could speak about how I

00:40:07,469 --> 00:40:11,939
led this experiment or hide this and

00:40:10,050 --> 00:40:13,140
give them a list of things and they

00:40:11,940 --> 00:40:15,389
actually love that because it makes

00:40:13,139 --> 00:40:17,009
their job a lot easier because then it's

00:40:15,389 --> 00:40:17,849
a shorter process for them to write so

00:40:17,010 --> 00:40:21,200
like oh yes yes

00:40:17,849 --> 00:40:21,199
so you can kind of write your own

00:40:22,880 --> 00:40:27,329
anything that's not true being reminding

00:40:25,260 --> 00:40:28,980
them I did this and this and that yeah

00:40:27,329 --> 00:40:31,349
don't forget how passionate I am about
this stuff yeah awesome that's really

good concrete advice that's really

helpful dad how do you have any final

thoughts you would just love to share

about your experience have you've worn

the suit oh I have worn the suit it kind

of fits like a leotard with the little

headband and you feel really official

because it really does look like some

kind of space to you that you're aang

and there's some sensors and a little

plug patch and like plugs and it sits in

the pocket of the suit and you just feel

like oh I'm ready to go to seat it up
just one of the perks of the job yeah

yeah I guess the final piece of advice I have is just what you've been hearing to apply apply apply apply it's a really exciting time to be working at NASA right now and especially with the Artemis program coming up like you will be contributing to the future of space exploration that is so exciting so put in those applications great message and so glad you get to be a part of it it's exciting

alright thank you for stopping by today yeah thank you very good luck in your
research thank you awesome another one

that I want to be right I decided I want to be Jordan and I want to be Vanessa on my next life I've been to her lab a couple times yeah so cool in your jobs you guys get to tour all the different labs and see oh yeah we make sure - yeah we have a bunch more questions before moving on someone is asking if these are paid intern you grams it kind of depends on Center but if you're at internet nasa.gov those
volunteer projects should be like

00:42:25,679 --> 00:42:29,038
clearly labeled so okay no surprises

00:42:27,929 --> 00:42:31,699
right you're getting paid unless it says

00:42:29,039 --> 00:42:35,670
volunteer all right yeah

00:42:31,699 --> 00:42:37,318
NASA Katey Harvey NASA in the name that

00:42:35,670 --> 00:42:38,579
tells us something since NASA doesn't

00:42:37,318 --> 00:42:40,230
provide housing what would you recommend

00:42:40,230 --> 00:42:47,670
high school students do for the summer

00:42:42,630 --> 00:42:47,670
you mentioned the stipend can help cover

00:42:44,699 --> 00:42:49,618
the cost I think that kind of goes with

00:42:47,670 --> 00:42:51,568
like just planning ahead right so if you

00:42:49,619 --> 00:42:53,999
know you're applying for you know the

00:42:51,568 --> 00:42:57,210
summer session just look at the center

00:42:53,998 --> 00:43:00,118
that you're considering and consider the
area where they're at so oftentimes our interns you know across the agency will either look at Airbnb or you know check out different housing options you know the area yeah yeah yeah and we kind of went once students are accepted we'll send out some housing like resources and recommendations and I think most centers do that so we try to help you know you know what's there because we know a lot of people are coming from Madison yeah and I imagine future interns can be in touch with each other maybe yeah roommates that kind of thing can help
yeah we help get them connected before
they're here so okay it's like finding roommates that helps mmm I saw a good one that I wanted to cover here's one

space TV net is asking can people with a disability become a NASA intern of course

mmmm yes plain and simple easy answer

yeah example Astro B Astro V Cal project
called SETI we have interns working on

activity does your major impact the project that you work on as an intern

say for example if you apply as an engineering major you might work on
rockets or biology majors might work on recycling water for trips to the food yeah so usually the projects are aimed at specific majors sometimes though there's projects where the mentors that they just take a group of students and then you know they'll tailor it more towards you so they'll if they have an engineering student they'll kind of give them that portion of the project and yeah things like that yeah all right cool so speaking of mentors yeah and that's what was just talking about how hers are so amazing she really
appreciates working with them

1127 00:44:32,289 --> 00:44:35,139 exactly is the role of mentors can you

1128 00:44:33,760 --> 00:44:36,400 describe how they work with their

1129 00:44:35,139 --> 00:44:38,829 students yeah

1130 00:44:36,400 --> 00:44:40,690 so our mentors I mean they're really

1131 00:44:38,829 --> 00:44:42,789 amazing and they're obviously you know

1132 00:44:40,690 --> 00:44:44,320 experts in their fields and so they're

1133 00:44:42,789 --> 00:44:45,690 working day to day with the interns

1134 00:44:44,320 --> 00:44:47,740 they're you know providing them support

1135 00:44:45,690 --> 00:44:49,179 teaching them sharing their knowledge

1136 00:44:47,739 --> 00:44:52,719 with them giving them all the necessary

1137 00:44:49,179 --> 00:44:55,119 training so yeah so they're a huge part

1138 00:44:52,719 --> 00:44:57,339 of the internship program of course and

1139 00:44:55,119 --> 00:44:59,109 just another thing to add without our

1140 00:44:57,340 --> 00:45:00,850 mentors internships it wouldn't exist so
they're very critical to the internship

program right yeah and you guys talked

about interns becoming employees

sometimes do you have any that then

became mentors yes yeah I actually think

a lot of our mentors were once interns

so that kind of that helps a lot because

eye they really have that

perspective and you know what kind of

support our interns need right you guys

actually invited a mentor here to join

us this experience so we're gonna meet

George now come on out George mentor

extraordinaire hey good to see you how
are you good to be here I’m great thank you so much excellent so you’re one of our star mentors with interns of your own why don’t you introduce yourself and tell everybody what you work on here first of all my name is George barosky I’m a research engineer here within the diagnostics and prognostics research group in the intelligent system division all right yeah that also is a mouthful we’ll ask you a little about your work in a bit but you have you have chosen interns yourself who have come to work with you what kinds of things are you
looking for when they apply typically I
look at the type of skills the interns
list on their resume and how they've
used in those skills in experiences in
projects so if someone says oh I know
C++ I'd like to look I look at their
resume and see how they've used it in
the past and to what degree they've used
it yeah so like our interns said be
specific in your application right yeah
something like George is looking to see
what did you do with that exactly you
have yeah excellent I think you must
look for people who are passionate right
yeah I often look for people who express themselves in their application. I read through all of the different fields that are in the Internet application and then I look at the resume. I love people who are excited about space exploration, excited about robotics, excited for an opportunity to work here at Ames. Write something we hear a lot for our mentors. Um I said before we you know see hundreds and thousands of transcripts that all you know look pretty similar but what sets it apart is kind of like what you're doing in your free time.
are you teaching yourself how to code

are you working on your pilot's license

things like that what what do you have
to offer NASA mm-hmm yeah we like we
like people who love to learn yeah I
make sense learning through life yeah

exactly so George why don't you tell us
your story exactly how did you get to
NASA yeah that play out I was very very
lucky I got into a very small program
that existed a few years ago called the
tribal universities and tribal colleges

and universities program it's a program

at NASA specific for Native American
students that's amazing this is really amazing and is really a life-changing experience once I got here I spent the entire summer working with my mentor on a robotics project and I said this is my foot in the door I'm gonna take advantage of it yeah and it worked out really well for me because the very next summer I was invited back to NASA to take part in the NASA Academy for robotics well and then the following summer I got invited back again for the NASA Academy for Space Exploration a really great program that was a type of
leadership development program and then
immediately afterwards I was lucky

enough to get hired full-time and now I

live the dream everyday yeah I like

something you told me one time that when

you were starting that first program you

were really intimidated and you felt

like oh they're all gonna be geniuses

and what if I'm not yeah but is that is

that what you found when you got here

that's not at all that way in fact so I

was very worried I was very worried that

everybody here at NASA thought I was a

genius and they had very high
expectations of me and in actuality what

1241
00:48:56,929 --> 00:49:01,759
we expect of our interns is that they

1242
00:48:59,380 --> 00:49:04,338
give them a problem they need to learn

1243
00:49:01,760 --> 00:49:06,290
develop new skills get new knowledge and

1244
00:49:04,338 --> 00:49:08,029
then solve that problem they don't have

1245
00:49:06,289 --> 00:49:09,380
to be an expert to be an intern where we

1246
00:49:08,030 --> 00:49:11,060
love it when they can learn grow and

1247
00:49:09,380 --> 00:49:12,650
then help us solve the real problems

1248
00:49:11,059 --> 00:49:13,940
that we have right all right

1249
00:49:12,650 --> 00:49:15,619
you're not supposed to already know

1250
00:49:13,940 --> 00:49:19,818
everything honey get here you're here to

1251
00:49:15,619 --> 00:49:21,619
learn right so we've heard from our

1252
00:49:19,818 --> 00:49:23,329
two interns the visited that they're

1253
00:49:21,619 --> 00:49:24,680
contributing to the Artemis program what

1254
00:49:23,329 --> 00:49:27,289
about your interns what are they working
on and how is that supporting them the

program yeah in fact I've got four

interns this summer and one of them Ben

is working on a cryogenic fuel valve

testbed this is a really exciting

fuel right so these valves are used for

fueling up rockets that eventually

launch and go to space yeah the problem

is these valves they control the flow of

cryogenic fuel from fuel depots to the

Rockets before liftoff and if any of

these valves fail during that process

you got a big problem either the fuel

doesn't flow and then nobody gets to go
to space that day oh yeah or the fuel

full rockets now they're different

dangers problems right so it's really

important to understand the health state

of these systems and Ben has helped me

to do that carry out experiments and now

we're developing algorithms that can

help us better understand when these

systems may fail in the future pretty

important again snow this is one of the

many things that I'm like oh yeah I

never thought of ahead but obviously

someone has to fuel up the rocket yeah
and you gotta have a visor's gonna stop feeling up the rocket at the right side and these amazing yeah these are really important even for the future of the agency for things like the lunar gateway and for possible lunar colonies because in each case we'll have to fuel up rockets for propulsion all right interesting I have some questions that you might be able to answer I reform from the chat the coconut milk okay to not have any outside experience for the internship like as and I'm looking to start
building experience at NASA would that

1298
00:51:04,690 --> 00:51:11,220
work out yeah well I think that if you

1299
00:51:07,719 --> 00:51:13,629
can seek out things like online courses

1300
00:51:11,219 --> 00:51:16,989
make learning a priority for yourself

1301
00:51:13,630 --> 00:51:18,789
and show that you've learned some skill

1302
00:51:16,989 --> 00:51:20,949
like I learned Java using this online

1303
00:51:18,789 --> 00:51:22,360
course well that's some experience that

1304
00:51:20,949 --> 00:51:23,799
you can put on your resume that you

1305
00:51:22,360 --> 00:51:26,110
don't have to wait for anybody else for

1306
00:51:23,800 --> 00:51:28,030
ya get started on that today yeah yeah

1307
00:51:26,110 --> 00:51:31,000
good tips to add on to that you know

1308
00:51:28,030 --> 00:51:34,540
students are always able to update their

1309
00:51:31,000 --> 00:51:36,280
application on nasa.gov so you know just

1310
00:51:34,539 --> 00:51:37,989
to go off of what George has mentioned

1311
00:51:36,280 --> 00:51:39,460
once you get that experience in make
sure to update your profile oh that's really good so once you send it in it's not gone for good right oh yeah that's really smart

George how was the interview process when you were becoming an intern yeah I was really nervous about the interview process but in actuality everybody here is really nice my interview I was asked a whole bunch of questions about my experience about things that made me excited about robotics at the time it was really fun and the person that I injured and that
interviewed me is actually still really good friend of mine here at the center oh nice yeah turned out okay on your early projects as an intern did you work on robotics projects that involved robotics design or our interns usually heavily involved in programming was it like varied a well-rounded experience ever it can be very incredibly varied in fact for me I had to work on the hardware and when I was done working on the hardware I had to work on the software and in certain cases both the hardware and the
It was pretty varied and some of the interns I have now some of them are purely programming some of them are doing hardware someone's doing I ran programming okay yeah all sorts of things which is great because you want to be exposed to as much as you can when you're an intern you're not quite sure maybe what you want to do for the rest of your life for me yeah yeah when I develop projects for interns I try and think of things that allow them to grow personally and also help us with our
projects yeah yeah that's a nice point

1355
00:53:13,809 --> 00:53:16,119
you're not just it's not a one-way

1356
00:53:15,760 --> 00:53:19,140
street

1357
00:53:16,119 --> 00:53:22,449
yeah it's important yeah absolutely um

1358
00:53:19,139 --> 00:53:26,409
trying to decide what to ask you next a

1359
00:53:22,449 --> 00:53:28,389
specific one from Miguel B 714 for

1360
00:53:26,409 --> 00:53:30,699
George I don't have extracurricular

1361
00:53:28,389 --> 00:53:32,529
projects extracurriculars or projects

1362
00:53:30,699 --> 00:53:34,299
under my belt but I do work full-time at

1363
00:53:32,530 --> 00:53:36,730
an aerospace machine shop will I be

1364
00:53:34,300 --> 00:53:40,210
passed over this may be for you guys too

1365
00:53:36,730 --> 00:53:41,889
from what you've seen yeah not at all in

1366
00:53:40,210 --> 00:53:43,690
fact I'd love to see some of the things

1367
00:53:41,889 --> 00:53:46,480
that you've produced there you know

1368
00:53:43,690 --> 00:53:48,429
definitely highlight the all the skills
that you've gained what in employment

and even some of the responsibilities

that you've taken on as a full-time employee that's those are all great

great opportunity for the student to

just highlight you know what they learn

from this experience so um again it's

their opportunity to kind of show the

mentor you know what type of skills

they've learned and also what their

potential is this whole yeah yeah this
is great this as usual there's so much
good stuff to talk about we're running
out of time I'm gonna give you one more
question or if you have any final
thoughts you'd want to share for
potential interns yeah I think that it's
really important to first of all apply
there's lots of there's lots of
opportunities here but you're not gonna
get any of them until you apply yeah
I'll be genuine on your resume tell us
why you love NASA and get ready for an
exciting summer oh that's true I
don't doubt that a bit all right
well we're running out of time so I don't want to forget to get in some of the information you have to share with people um well we know one source of information if all of this has gotten you excited to apply go to intern NASA gov to learn about how the process works deadlines potential projects requires everything you need to apply but evil has some other resources where people can learn about the stories and different kinds of opportunities right right yeah so there's three ways
the first is that we have interest

00:55:18,849 --> 00:55:21,659
stories and blogs so if you want to

00:55:20,679 --> 00:55:24,399
learn more about the intern experience

00:55:21,659 --> 00:55:26,440
from the intern perspective and most of

00:55:24,400 --> 00:55:29,200
these blogs are written you know from

00:55:26,440 --> 00:55:32,679
the interns themselves visit blog acid

00:55:29,199 --> 00:55:34,299
gov flash insurance also we have our

00:55:32,679 --> 00:55:36,000
social media platforms as I mentioned so

00:55:34,300 --> 00:55:39,070
we're on Facebook Twitter and Instagram

00:55:36,000 --> 00:55:40,809
on Facebook and Twitter we use a handle

00:55:39,070 --> 00:55:43,450
NASA insurance and the nominated sir

00:55:40,809 --> 00:55:45,460
Graham for at NASA internships mm-hmm

00:55:43,449 --> 00:55:47,649
the last thing is that nowadays on

00:55:45,460 --> 00:55:50,170
social media you can follow hashtags so

00:55:47,650 --> 00:55:52,269
I encourage everyone to on any of those
social media platforms to search for our
hashtag NASA insurance and then you'll see a lot of the stuff that NASA post
but also from the Internet
the insurance specifically so you'll see some of their posts as well yeah and especially today because it's national intern day those all kinds of posts were all over social media so today's a good day to check it out yeah absolutely and I'm sure after listening to everybody today that those are really genuinely interesting stories because our interns are doing real research that's pushing
forward all of our missions so I will

check it out for a national intern today

so we're almost out of time but I'm
gonna throw fewer questions in just to

round out the day can interns become

astronauts yes I hope so guys the limit

I think is there a max age for new NASA

interns no yeah they're currently in

school enrolled in school so I could go

back to school and then I could come be

an intern with George yes yes if you

take if he accepts me do you know then

the amount or the number of high

schoolers compared with college students
does it tend to be college more yeah

it's it's definitely mostly undergrad

then the second largest group is probably our graduate students and then with a few high schoolers here and there

here's my last question of the day from little scheduled doing that can i v92

and still apply sure yes yes

no one will stop you I'm sure you have many skills to bring alright any final words of advice go for it just apply it

all just starting to have applying yep

oh yeah that's where it begins all right

well this has been really inspirational
what and I hope we're gonna get lots of

1469
00:57:40,659 --> 00:57:44,440
new applications because we need

1470
00:57:42,550 --> 00:57:46,060
everybody's help all right

1471
00:57:44,440 --> 00:57:47,829
excellent well that is all the time we

1472
00:57:46,059 --> 00:57:50,079
have for today but a huge thanks to you

1473
00:57:47,829 --> 00:57:51,549
guys our guests and everyone that joined

1474
00:57:50,079 --> 00:57:53,829
us in the chat on Twitch

1475
00:57:51,550 --> 00:57:56,880
we will see you next time thank you for

1476
00:57:53,829 --> 00:57:56,880
watching see ya

1477
00:58:10,300 --> 00:58:17,219
[Music]