WEBVTT

00:00:00.000 --> 00:00:03.924 I was wondering if we could

00:00:03.924 --> 00:00:07.999 talk a little bit about you

00:00:08.000 --> 00:00:11.140 and where you grew up.

00:00:11.140 --> 00:00:14.902 I know you're from the Midwest

00:00:14.902 --> 00:00:18.590 originally. You're right. Yeah,

00:00:18.590 --> 00:00:22.019 I grew up.

00:00:22.020 --> 00:00:25.380 In Denver and but I grew up mostly

00:00:25.380 --> 00:00:27.886 in South Dakota, Rapid City,

00:00:27.886 --> 00:00:30.952 SD where Mount Rushmore is and that

00:00:30.952 --> 00:00:34.285 is a beautiful area of the country.

00:00:34.290 --> 00:00:37.454 And it is a relatively rural area,

00:00:37.460 --> 00:00:41.537 although I did not grow up on a farm.

00:00:41.540 --> 00:00:44.668 I grew up in that city or town

00:00:44.668 --> 00:00:47.879 and my father was a engineer,

NOTE Confidence: 0.922606348991394

00:00:47.880 --> 00:00:50.682 mechanical engineer who is a professor

NOTE Confidence: 0.922606348991394

00:00:50.682 --> 00:00:53.340 and Department headed that the local.

NOTE Confidence: 0.922606348991394

00:00:53.340 --> 00:00:55.168 College called South Dakota

NOTE Confidence: 0.922606348991394

00:00:55.168 --> 00:00:57.453 School of mines and technology.

NOTE Confidence: 0.922606348991394

00:00:57.460 --> 00:01:02.392 So I had three brothers and sisters and we.

NOTE Confidence: 0.922606348991394

00:01:02.400 --> 00:01:05.557 Had a great time growing up there.

NOTE Confidence: 0.922606348991394

00:01:05.560 --> 00:01:09.619 Lots of things to do outside the Black Hills,

NOTE Confidence: 0.922606348991394

00:01:09.620 --> 00:01:12.998 Skiing Lake, Sports, hiking, but really.

NOTE Confidence: 0.922606348991394

00:01:13.000 --> 00:01:15.877 Really, until like childhood I think yeah

NOTE Confidence: 0.858548700809479

00:01:15.880 --> 00:01:18.385 very safe place to grow

NOTE Confidence: 0.858548700809479

00:01:18.385 --> 00:01:20.890 up and focus on education.

NOTE Confidence: 0.858548700809479

00:01:20.890 --> 00:01:22.708 Well, tell us about what made

NOTE Confidence: 0.858548700809479

00:01:22.708 --> 00:01:24.670 you pursue a career in Medison.

NOTE Confidence: 0.858548700809479

00:01:24.670 --> 00:01:26.250 How did you like when?

NOTE Confidence: 0.858548700809479

00:01:26.250 --> 00:01:28.284 How old were you when you

NOTE Confidence: 0.858548700809479

00:01:28.284 --> 00:01:30.029 knew you wanted to be a

NOTE Confidence: 0.889516353607178

00:01:30.030 --> 00:01:30.975 doctor and why?

NOTE Confidence: 0.889516353607178

00:01:30.975 --> 00:01:32.550 Why did you choose that?

NOTE Confidence: 0.889516353607178

00:01:32.550 --> 00:01:34.440 I always wanted to be a

NOTE Confidence: 0.889516353607178

00:01:34.440 --> 00:01:36.101 teacher or librarian at first.

NOTE Confidence: 0.889516353607178

00:01:36.101 --> 00:01:38.106 I'm sort of glad it.

NOTE Confidence: 0.889516353607178

00:01:38.110 --> 00:01:40.190 While I'm still a teacher.

NOTE Confidence: 0.889516353607178

00:01:40.190 --> 00:01:44.320 I. I went to, um, you know,

NOTE Confidence: 0.889516353607178

00:01:44.320 --> 00:01:46.720 I actually did my PhD first,

NOTE Confidence: 0.889516353607178

00:01:46.720 --> 00:01:48.766 so I was a scientist before

NOTE Confidence: 0.889516353607178

00:01:48.766 --> 00:01:51.120 I was at a physician.

NOTE Confidence: 0.889516353607178

00:01:51.120 --> 00:01:54.336 I did my pH D at Harvard in.

NOTE Confidence: 0.889516353607178

00:01:54.340 --> 00:01:57.312 Molecular genetics and developmental

NOTE Confidence: 0.889516353607178

00:01:57.312 --> 00:02:02.270 biology with fruit flies order Saffola and.

NOTE Confidence: 0.889516353607178

00:02:02.270 --> 00:02:05.350 At the time it was a really

NOTE Confidence: 0.889516353607178

00:02:05.350 --> 00:02:07.420 interesting time in Boston.

NOTE Confidence: 0.889516353607178

00:02:07.420 --> 00:02:09.755 There are lots of ethical

NOTE Confidence: 0.889516353607178

00:02:09.755 --> 00:02:11.156 discussions around genetics,

NOTE Confidence: 0.889516353607178

00:02:11.160 --> 00:02:14.457 and it was just a really exciting.

NOTE Confidence: 0.889516353607178

00:02:14.460 --> 00:02:16.970 Provocative community and I really

NOTE Confidence: 0.889516353607178

00:02:16.970 --> 00:02:18.978 enjoyed interactions with my

NOTE Confidence: 0.889516353607178

00:02:18.978 --> 00:02:21.498 colleagues in the lab who were who

NOTE Confidence: 0.889516353607178

00:02:21.498 --> 00:02:23.550 had a medical background into work.

NOTE Confidence: 0.889516353607178

00:02:23.550 --> 00:02:26.266 and I like the kind of things

NOTE Confidence: 0.889516353607178

00:02:26.266 --> 00:02:28.500 that they were working on.

NOTE Confidence: 0.889516353607178

00:02:28.500 --> 00:02:31.044 The applied aspects of the basic

NOTE Confidence: 0.889516353607178

00:02:31.044 --> 00:02:34.030 biology that we were considering so.

NOTE Confidence: 0.889516353607178

00:02:34.030 --> 00:02:35.578 When when I finished,

NOTE Confidence: 0.889516353607178

00:02:35.578 --> 00:02:38.970 I decided to apply to medical school again,

NOTE Confidence: 0.889516353607178

00:02:38.970 --> 00:02:39.724 sort of.

NOTE Confidence: 0.889516353607178

00:02:39.724 --> 00:02:41.986 Because mainly I guess because I

NOTE Confidence: 0.889516353607178

00:02:41.986 --> 00:02:44.066 like the interactions with people

NOTE Confidence: 0.889516353607178

00:02:44.066 --> 00:02:47.460 and I really wanted to be able to

NOTE Confidence: 0.889516353607178

00:02:47.460 --> 00:02:49.920 help people a little more directly.

NOTE Confidence: 0.889516353607178

00:02:49.920 --> 00:02:53.875 Then then with dissecting for playing.

NOTE Confidence: 0.889516353607178

00:02:53.875 --> 00:02:57.710 But that was a fantastic come

NOTE Confidence: 0.889516353607178

00:02:57.710 --> 00:03:00.278 was really a fantastic.

NOTE Confidence: 0.889516353607178

00:03:00.280 --> 00:03:02.130 Oportuno community and and the

NOTE Confidence: 0.889516353607178

00:03:02.130 --> 00:03:04.883 time in my life and expose me

NOTE Confidence: 0.889516353607178

00:03:04.883 --> 00:03:06.953 to lots of really interesting

NOTE Confidence: 0.889516353607178

00:03:06.953 --> 00:03:09.550 questions that I think are really

NOTE Confidence: 0.889516353607178

00:03:09.550 --> 00:03:11.675 pertinent now and in Madison.

NOTE Confidence: 0.889516353607178

00:03:11.680 --> 00:03:15.082 And some of those I worked my

NOTE Confidence: 0.889516353607178

00:03:15.082 --> 00:03:17.360 my graduate thesis was on.

NOTE Confidence: 0.889516353607178

00:03:17.360 --> 00:03:20.744 Homeo box jeans and epigenetic regulation

NOTE Confidence: 0.889516353607178

00:03:20.744 --> 00:03:24.300 and you know that's that's becoming

NOTE Confidence: 0.889516353607178

00:03:24.300 --> 00:03:27.906 a really important aspect of cancer.

NOTE Confidence: 0.889516353607178

00:03:27.910 --> 00:03:30.250 Because how do you,

NOTE Confidence: 0.889516353607178

00:03:30.250 --> 00:03:33.175 through through time and development,

NOTE Confidence: 0.889516353607178

00:03:33.180 --> 00:03:36.696 of an embryo or cancer cells,

NOTE Confidence: 0.889516353607178

00:03:36.700 --> 00:03:39.068 control regulation of jeans,

NOTE Confidence: 0.889516353607178

00:03:39.068 --> 00:03:39.660 and?

NOTE Confidence: 0.889516353607178

00:03:39.660 --> 00:03:40.025 Right,

NOTE Confidence: 0.889516353607178

00:03:40.025 --> 00:03:41.485 it's route through the

NOTE Confidence: 0.889516353607178

00:03:41.485 --> 00:03:43.310 wrapping up the chromatin and

NOTE Confidence: 0.889516353607178

00:03:43.379 --> 00:03:45.299 thinking about Accessibility to

NOTE Confidence: 0.884001731872559

00:03:45.300 --> 00:03:48.927 chromatin. So yeah, OK, so you finish your pH

NOTE Confidence: 0.884001731872559

00:03:48.930 --> 00:03:51.336 D. Apply to medical school, yeah.

NOTE Confidence: 0.884001731872559

00:03:51.336 --> 00:03:53.712 And then I went to medical

NOTE Confidence: 0.884001731872559

00:03:53.712 --> 00:03:55.780 school and I loved it.

NOTE Confidence: 0.884001731872559

00:03:55.780 --> 00:03:59.100 I did a lot of research during medical

NOTE Confidence: 0.884001731872559

00:03:59.100 --> 00:04:02.225 school and in my training in the lab.

NOTE Confidence: 0.884001731872559

00:04:02.230 --> 00:04:04.648 Again, sort of sort of working

NOTE Confidence: 0.884001731872559

00:04:04.648 --> 00:04:06.260 on those translational projects,

NOTE Confidence: 0.884001731872559

00:04:06.260 --> 00:04:08.275 things that really matter to

NOTE Confidence: 0.884001731872559

00:04:08.275 --> 00:04:09.887 patients and their Karen.

NOTE Confidence: 0.884001731872559

00:04:09.890 --> 00:04:11.165 But trying to.

NOTE Confidence: 0.884001731872559

00:04:11.165 --> 00:04:13.715 Look at them from the real

NOTE Confidence: 0.884001731872559

00:04:13.715 --> 00:04:15.859 scientific aspect and and so I.

NOTE Confidence: 0.884001731872559

00:04:15.860 --> 00:04:17.924 I went to New York City where I

NOTE Confidence: 0.884001731872559

00:04:17.924 --> 00:04:20.038 went to medical school and my

NOTE Confidence: 0.884001731872559

00:04:20.038 --> 00:04:21.953 training and and ultimately ended

NOTE Confidence: 0.884001731872559

00:04:21.953 --> 00:04:24.294 up being an attending at Memorial

NOTE Confidence: 0.884001731872559

00:04:24.294 --> 00:04:26.487 Sloan Kettering and it was a

NOTE Confidence: 0.884001731872559

00:04:26.487 --> 00:04:28.022 really also again exciting time

NOTE Confidence: 0.884001731872559

00:04:28.022 --> 00:04:29.960 with lots of great colleagues.

NOTE Confidence: 0.884001731872559

00:04:29.960 --> 00:04:31.680 And do you remember, like

NOTE Confidence: 0.918838620185852

00:04:31.680 --> 00:04:33.438 a moment when you thought I

NOTE Confidence: 0.918838620185852

00:04:33.438 --> 00:04:35.470 want to be an oncologist?

NOTE Confidence: 0.918838620185852

00:04:35.470 --> 00:04:37.696 Or did you go into Medical School

NOTE Confidence: 0.918838620185852

00:04:37.696 --> 00:04:39.599 thinking about treating cancer patients?

NOTE Confidence: 0.918838620185852

00:04:39.600 --> 00:04:42.860 Or what was the evolution there? I

NOTE Confidence: 0.859081983566284

00:04:42.860 --> 00:04:45.470 think the evolution was, uhm.

NOTE Confidence: 0.859081983566284

00:04:45.470 --> 00:04:52.830 Partially. Emotional an partially uhm.

NOTE Confidence: 0.859081983566284

00:04:52.830 --> 00:04:54.658 Partially left and right

NOTE Confidence: 0.859081983566284

00:04:54.658 --> 00:04:56.943 both sides of the brain.

NOTE Confidence: 0.859081983566284

00:04:56.950 --> 00:04:59.995 I think that I had a really

NOTE Confidence: 0.859081983566284

00:04:59.995 --> 00:05:02.459 key experience on my Medison.

NOTE Confidence: 0.859081983566284

00:05:02.460 --> 00:05:05.260 Clerkship where I was taking care of

NOTE Confidence: 0.859081983566284

00:05:05.260 --> 00:05:07.536 cancer patients at that time there

NOTE Confidence: 0.859081983566284

00:05:07.536 --> 00:05:10.367 were a lot of HIV patients and they

NOTE Confidence: 0.859081983566284

00:05:10.367 --> 00:05:12.437 were getting malignancies in cancer

NOTE Confidence: 0.859081983566284

00:05:12.437 --> 00:05:15.780 and I think that I just developed a

NOTE Confidence: 0.859081983566284

00:05:15.780 --> 00:05:18.300 lot of really great relationships with

NOTE Confidence: 0.859081983566284

00:05:18.382 --> 00:05:21.040 those conditions and again seeing how

NOTE Confidence: 0.859081983566284

00:05:21.040 --> 00:05:23.918 how the doctors around me managed to.

NOTE Confidence: 0.859081983566284

00:05:23.920 --> 00:05:26.140 Create connections to patience at such

NOTE Confidence: 0.859081983566284

00:05:26.140 --> 00:05:28.667 a critical time in their lives and

NOTE Confidence: 0.859081983566284

00:05:28.667 --> 00:05:31.385 how much that made a difference in in

NOTE Confidence: 0.859081983566284

00:05:31.385 --> 00:05:33.270 the anxiety levels and understanding

NOTE Confidence: 0.859081983566284

00:05:33.270 --> 00:05:35.488 of the patients so that really,

NOTE Confidence: 0.859081983566284

00:05:35.488 --> 00:05:37.612 that really motivated me and then

NOTE Confidence: 0.859081983566284

00:05:37.612 --> 00:05:39.646 at the same .3 typically there

NOTE Confidence: 0.859081983566284

00:05:39.646 --> 00:05:42.066 was so much going on in cancer

NOTE Confidence: 0.859081983566284

00:05:42.066 --> 00:05:43.470 and molecular biology

NOTE Confidence: 0.795191815921239

00:05:43.470 --> 00:05:48.468 that I just. Really was was exciting.