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Transcription of Big data: computer science student research and careers

Item Metadata
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Creator: Sangmi Pallickara, speaker; Cassidy Skorczewski, speaker; Aislinn Jeske, speaker; Saptashwa Mitra, speaker; Paahuni Khandelwal, speaker
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BEGIN TRANSCRIPTION

00:00:04:19 - 00:00:31:23
Unknown
I'm Sangmi Pallickara. I am an associate professor in computer science. My research interests are in the areas of big data for the sciences, with focus on predictive and geospatial analytics, scalable storage systems, and distributed analytics frameworks. We create 2.5 quantitative bytes of the data every day.

00:00:32:01 - 00:00:49:12
Unknown
I'm Cassidy Skorczewski and I'm a senior graduating this semester. As a senior, I'm doing an honors thesis in big data. And what I'm doing is I'm comparing two main big data frameworks to see how they impact the computer. Like maybe one runs longer or it uses more resources of the computer, and maybe one would work better in a certain situation over the other.

00:00:49:14 - 00:01:07:17
Unknown
What I like about big Data is that it impacts so many different industries and fields, and that there's so many curiosities out there, and I'm very excited. Hi, I'm Aislinn Jeske. I'm a senior. After graduation, I'm going to be working at a telecommunications company, working on a layer that processes user queries to their big data platforms. I like big data because it's the future.

00:01:07:18 - 00:01:29:07
Unknown
People are paying for services with their data, and in return it's helping these services become more personalized to them. Hi, I'm Saptashwa Mitra and I'm Paahuni Khandelwal. We both have students researching on big data. What my research tries to accomplish is to make sure that the guy on the laptop can browse through this large data set without experiencing much lag.

00:01:29:09 - 00:01:59:05
Unknown

We turn rate so much data that comes in so fast that it could overwhelm any single machine. So my job is to write efficient algorithms to store all this data and analyze it. This application can be used in variety of fields such as a weather forecasting, finance and banking, and also in agriculture. I was initially hesitant about pursuing research in a foreign country, but Tsang has been really helpful in mentoring me and guiding me through the research process.

00:01:59:07 - 00:02:09:22
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So if you're interested or curious about research and big data, come join our group or feel free to drop in any one of our research group meetings. We welcome you to join us here at CSU.

END TRANSCRIPTION