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Department of Computer Science
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Transcription of Cybersecurity: computer science student research and careers

Item Metadata
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Creator: Indrakshi Ray, speaker; Ariana Mims, speaker; Evan Lavertu, speaker; Hajar Homayouni, speaker; Hossein Shirazi, speaker; Andy Dolan, speaker
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BEGIN TRANSCRIPTION

00:00:05:22 - 00:00:34:18
Unknown
Indrakshi Ray. I'm a professor of computer science at Colorado State University. I'm the director of the state funded Colorado Center for cybersecurity. I'm also the director of the NSF funded Cybersecurity Center for Analytics and Automation. Cybersecurity is basically protecting and defending your assets and your system against cyber attacks.

00:00:34:20 - 00:00:57:05
Unknown
I am Ariana Mims and I am a junior here at CSU. I can work on a project right now called adequate. That's a data quality analysis tool that takes large instances of data and finds the bad pieces. I really like undergraduate research because it's given me the opportunity to learn things that I wouldn't necessarily learn in a classroom setting, and apply what I have learned in the classroom.

00:00:57:07 - 00:01:25:01
Unknown
My name is Evan Lavertu and I am a senior. I work for the Internet of Things lab, also classified as IoT, and we work on securing devices such as Amazon Alexa that would be connected to a smart home network. I think the most beneficial part about doing undergraduate research is definitely the connections that you make, just surrounding yourself with brilliant individuals every day.

00:01:25:03 - 00:01:54:14
Unknown
Really allows me to do things that I never thought I'd be capable of doing. Hi, I am Hajar Homayouni, I'm a PhD candidate here. Hi, I'm Hossein Shirazi, I'm a PhD student here, and I'm Andy Dolan. I'm a master's student here. My research focus is on testing the quality of big data, and I chose to work on this project because I have perceived that there are many critical activities being done based and data, and the quality of data is very good.

00:01:54:16 - 00:02:19:01
Unknown
My research focuses on machine learning for security purposes. I'm developing a framework to detect phishing websites from legitimate websites. And also I'm really enjoying mentoring other undergrad and grad students. My research focuses primarily on informing users about their smart home and IoT devices, so that they can make better privacy and security decisions about them. And there's such a wide variety of information and resources in the department.

00:02:19:01 - 00:02:36:27
Unknown
And just within this group that I've been able to pick up lots of different technical topics that are very exciting and very cutting edge. So there is a huge demand for cybersecurity professionals across the various sectors. So if you're interested, we would like you to come here and join us and make the world a safer place.

END TRANSCRIPTION