Elevator pitches, as per the lecture, must be under 30 seconds in length and have the required items:

1) Introduction: who you are
2) Hook: major question/problem you study
3) Solution: how you are answering it
4) Summary and benefits of knowledge
5) The stage of your work/career

Hi, I'm Kirin Patel, a senior at Capitol Technology University. As a senior, I have to determine and address a problem that exists and is also related to my major, Computer Science, and then provide a solution for the problem. Currently, there are no automated or accurate ways to detect meteors within spectrographs. This is a problem because BRAMS, a radio receiving station in Belgium, collections hundreds of spectrographs per hour and each one requires processing before analysis can be conducted. This processing is a manual process that requires that a human analyzes a spectrograph to determine and mark where meteors are within the spectrograph and can take upwards of a minute depending on the noise levels of a spectrograph. To combat this, I am developing a machine learning model to detect meteors within spectrographs. This will greatly reduce the human cost involved with processing data collected by BRAMS and allow for scientists and researchers to focus on data analysis. Currently, I am still in the planning phases of my project, but I expect to start development early next year.