In Career Episode, I would like to elaborate on a machine learning group project in which I collaborated with three group members during the last summer break.

The group project, GTZAN Dataset - Music Genre Classification, aims to understand sound, figure out what makes one song/tone different from another and visualize sound based on several aspects. One dataset contains a collection of 10 genres with 100 audio files each and a visual representation for each audio file. The other two datasets contain features of the audio files. One file has for each song (30 seconds long) a mean and variance computed over multiple features extracted from an audio file.

In this project, I worked as a team leader of three members with different backgrounds. From the beginning of the project, I scheduled the whole research and design, then divided workload into pieces for each member. Specifically, I was in charge of the process of data cleaning, data engineering and modeling. The team members were required to represent their outcomes weekly and brainstrom our next stage based on the current problems. At the final representation, we provided our final outcomes on PowerPoint and gave a short speech of our work.