

J1799d Fall 2014 Project 1 Due date: Sep 8th 2014

Write a program to capture speech data. It must include the following:

- Actual speech capture. The captured speech signals must have 16-bit resolution, mono channel and be captured at a sampling rate of 16000 samples per second. If you're one of the unfortunates stuck with working on a Mac, you may use a sampling rate of 44100 instead.
- Endpointing, with hit-to-talk. Recording must begin at a keyboard hit, and stop automatically when end of speech is detected. You may use one of the endpointing schemes mentioned in Lecture 2 to find the trailing endpoint, or any other method you may come up with.
- The endpointed segment must be written to file in mswav or raw pcm format.

Suggestion: You can use portaudio for the audio capture. Portaudio is a well established cross-platform audio capture package.