# Music Maker- Music Transcription

Motivation

* Musical transcriptions have been written by hand, which is time-consuming and requires musical education.
* Some rhyme that suddenly come into our mind is hard to record
* Find a way to let everyone be able to “write” music, and make the transcription process easier by computing instead of writing by hand
* Few works have developed into applications

Scope of Work- mainly divided into 4 parts

* Audio data fetching and preprocessing
* Music Transcription (Simple Piano Music)- Create MIDI file based on the audio
* Write it into music sheet
* Improve the system- Make the system can transcript more complex audio, recognize different instruments or human voices, transcript real time audio, improve the performance of algorithm

Progress

* Successfully fetch the audio by computer
* Get start with developing the Android application