



## Using Deep Learning to Annotate Karaoke Songs

Annotating song-lyrics with timing information for the use in Karaoke is a tedious task. For example, software like Singstar uses songs that were annotated manually by professionals.

We think that this can be done automatically using Deep Learning. We already have a dataset of annotated songs, so that you could directly dive in and try different Deep Learning techniques. Later on it might be necessary to collect more data, though.

If you are interested in Machine- and especially Deep Learning, and maybe also have a knack for music/singing, then do not hesitate to contact us so that we can have a chat.



**You will:** Learn about and implement Deep Learning techniques. Learn how to pre-process data for the use in Machine Learning. Improve your data analysis and visualization skills. Read scientific papers in the area of Deep Learning to learn about state-of-the-art techniques. Meet with your supervisors on a weekly basis to discuss progress and open questions.

### Contacts

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