

Use Open Source
Make Open Source
Share Open Source

Use Open Source*
Make Open Source*
Share Open Source*

* repeat *ad infinitum*

Use Open Source...

tools

Open Hardware

- Raspberry Pi

www.raspberrypi.org

- Arduino

www.arduino.cc

- Sparkfun

www.sparkfun.com

- microbit

www.microbit.org

- nodeMCU

www.nodemcu.com

- Mycroft.ai

www.mycroft.ai

Open Software

Machine Learning

- TensorFlow

`www.tensorflow.org`

- Keras

`www.keras.io`

- pyTorch

`www.pytorch.org`

Open Software

Speech-to-Text

- DeepSpeech www.github.com/mozilla/DeepSpeech
- Kaldi www.github.com/kaldi-asr/kaldi
- py-Kaldi www.github.com/pykaldi/pykaldi
- CMU-Sphinx www.cmusphinx.github.io ⁶

Open Software

Text-to-Speech

- eSpeak-NG www.github.com/espeak-ng/espeak-ng
- RHVoice www.github.com/Olga-Yakovleva/RHVoice
- Festival www.cstr.ed.ac.uk/projects/festival
- Merlin www.github.com/CSTR-Edinburgh/merlin
- Tacotron www.github.com/keithito/tacotron

Use Open Licensed...

data

Open Data

Speech

- Common Voice www.voice.mozilla.org/en/datasets

- More www.github.com/jrmeyer/open-speech-data

Text

- Wikipedia www.dumps.wikimedia.org

Thanks for your attention:)

Paxmat)))