2018 Asia University AI Summer Program (Day2-July4) A: AIY
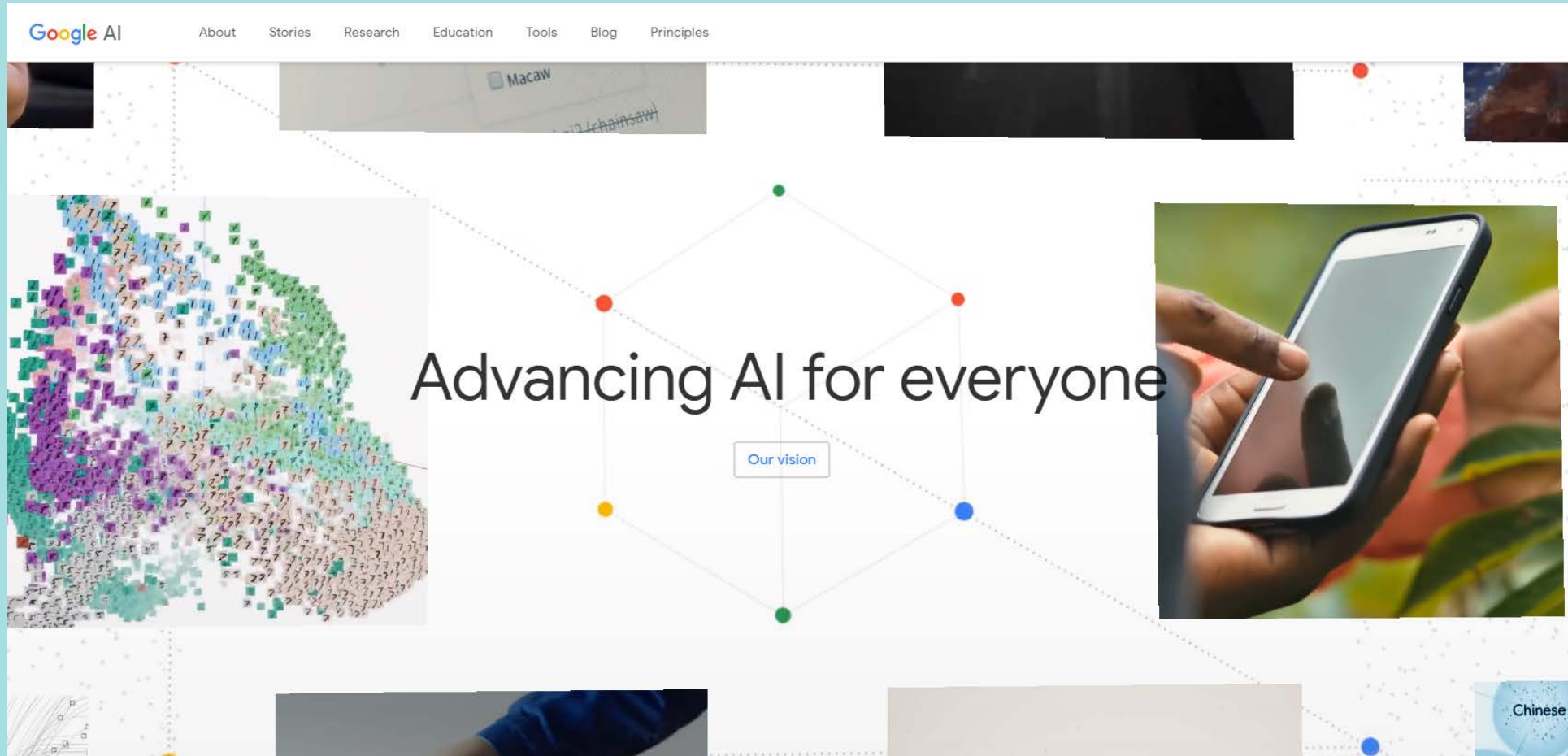
Frank Hsueh-Ting Chu

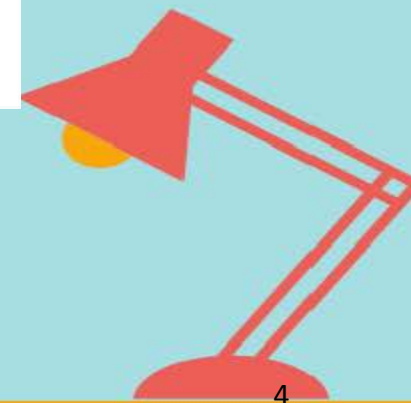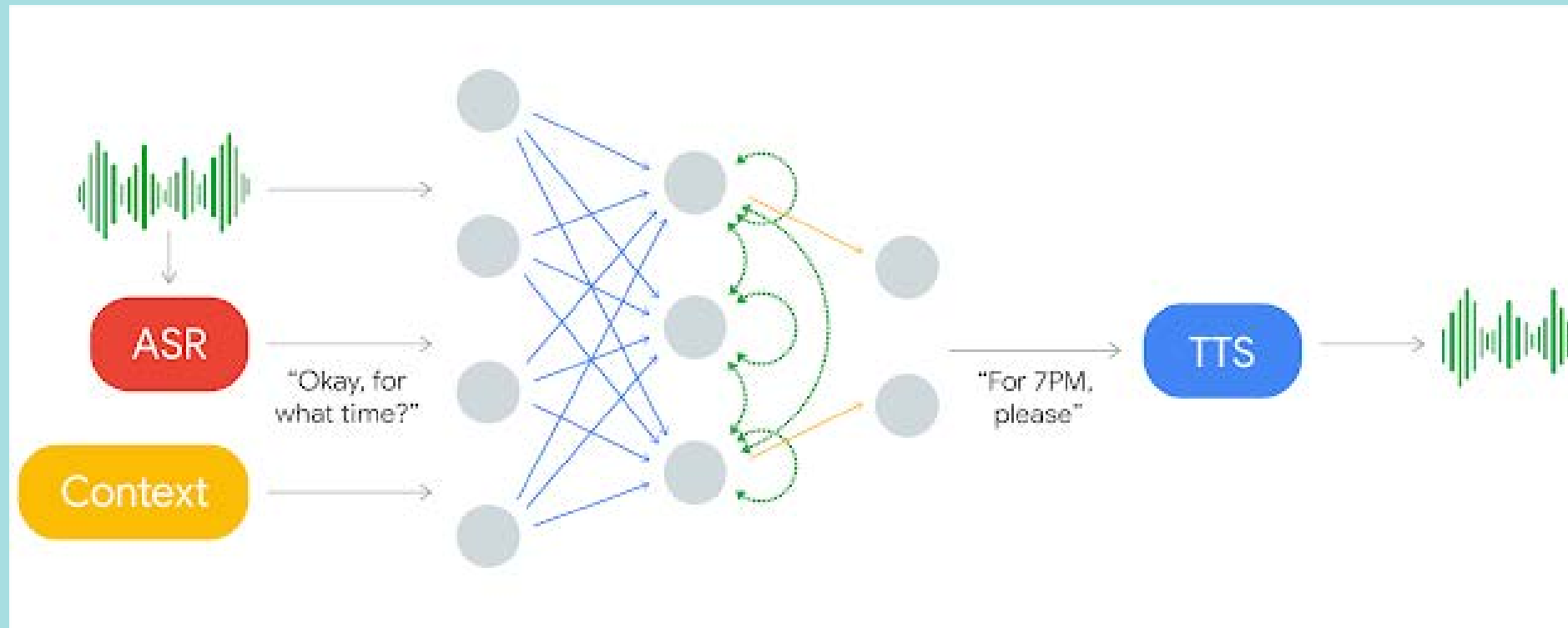# Content

- Google AI
- Google Duplex
- Tacotron & WaveNet
- Google MLCC
- Tensorflow
- Google AIY
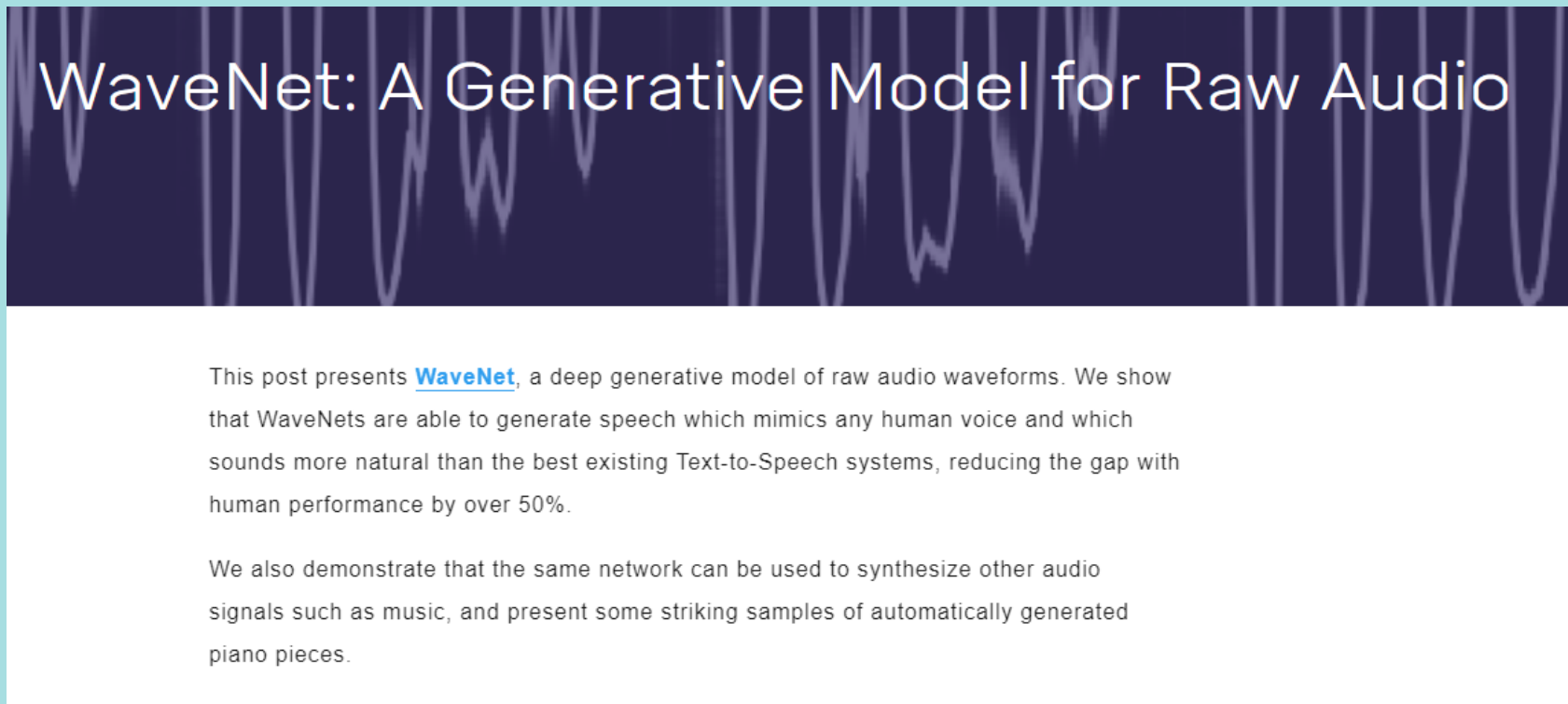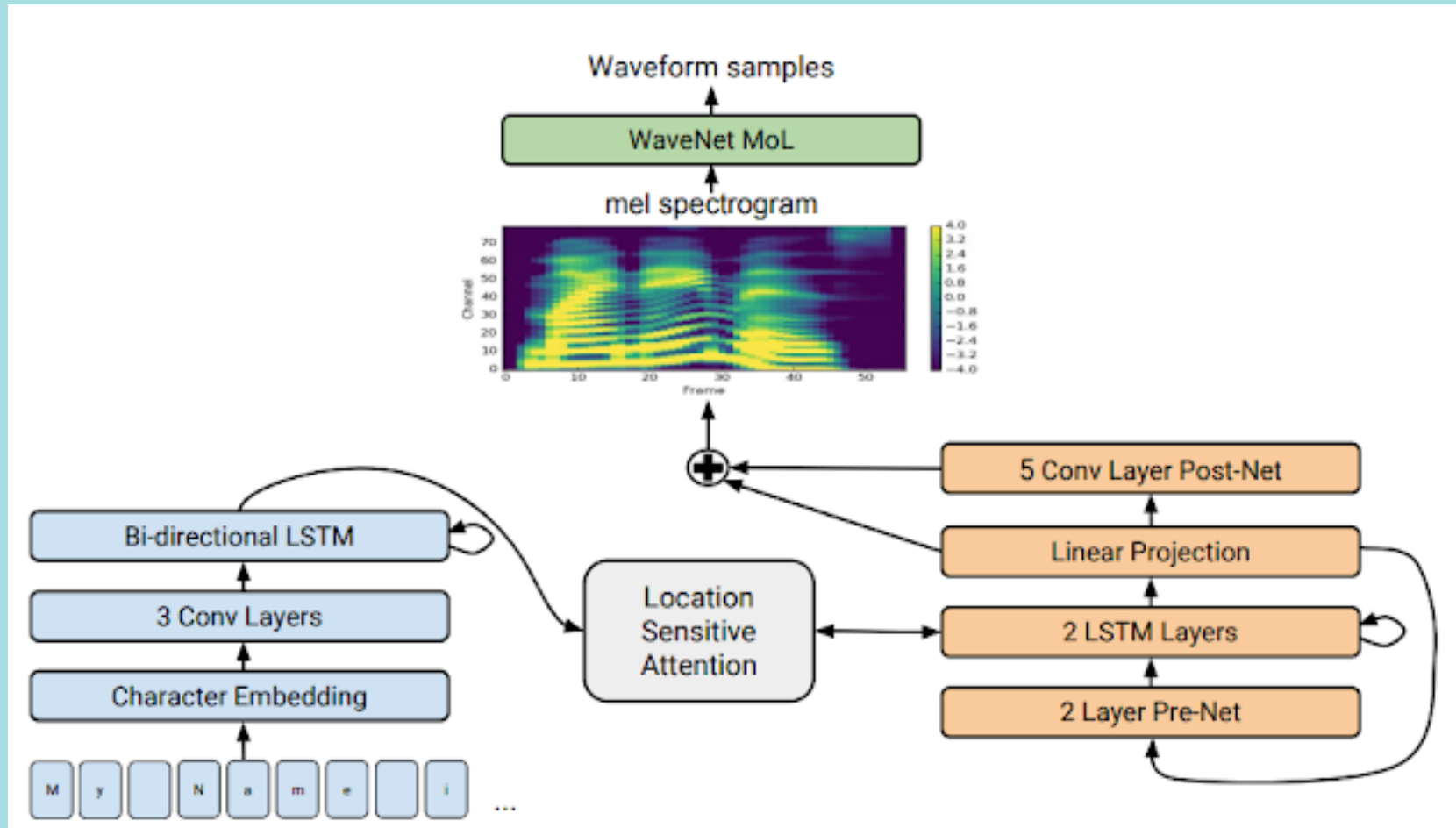- Google Assistant
- Dialogflow

Google AI

Google Duplex

WaveNet: A Generative Model for Raw Audio

- https://deepmind.com/blog/wavenet-generative-model-raw-audio/

WaveNet: A Generative Model for Raw Audio

This post presents **WaveNet**, a deep generative model of raw audio waveforms. We show that WaveNets are able to generate speech which mimics any human voice and which sounds more natural than the best existing Text-to-Speech systems, reducing the gap with human performance by over 50%.

We also demonstrate that the same network can be used to synthesize other audio signals such as music, and present some striking samples of automatically generated piano pieces.

Tacotron 2: Generating Human-like Speech from Text

MLCC-Machine Learning Crash Course

Tensorflow

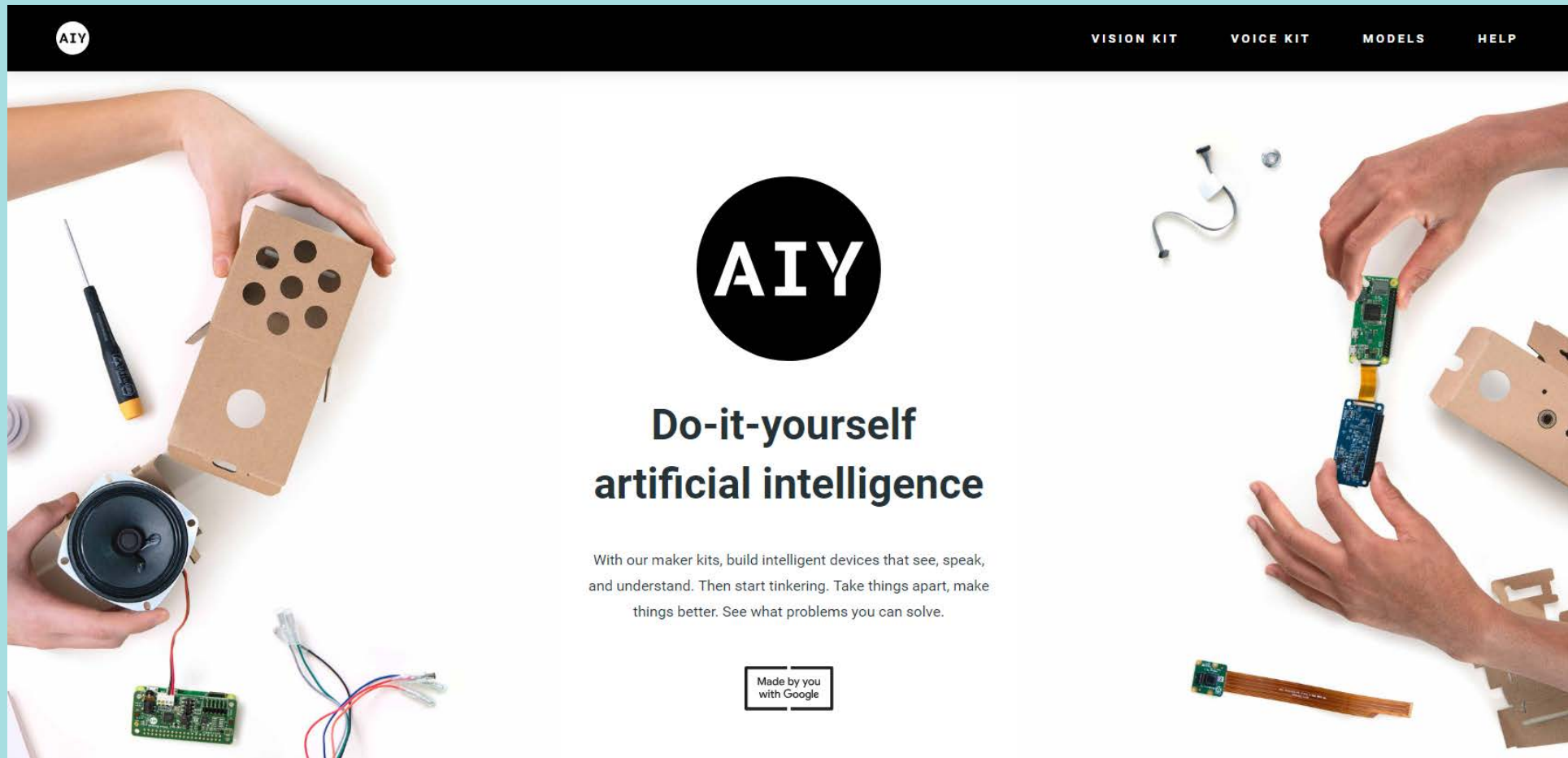- https://playground.tensorflow.org
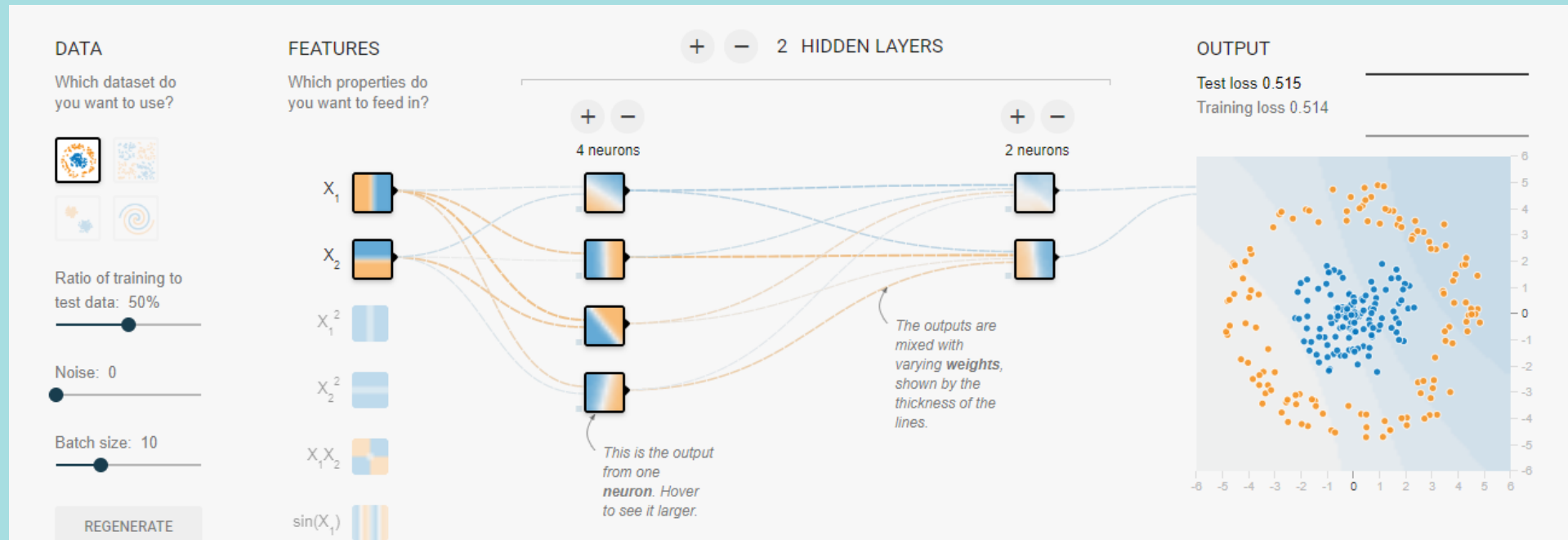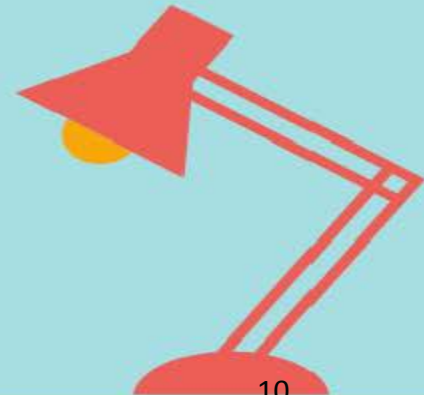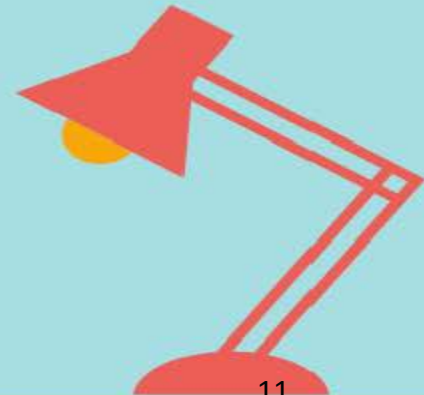
Google AIY

Voice Kit Assembly Guide

- GET THE VOICE KIT SD IMAGE
- ASSEMBLE THE HARDWARE
- FOLD THE CARDBOARD
- PUT IT ALL TOGETHER
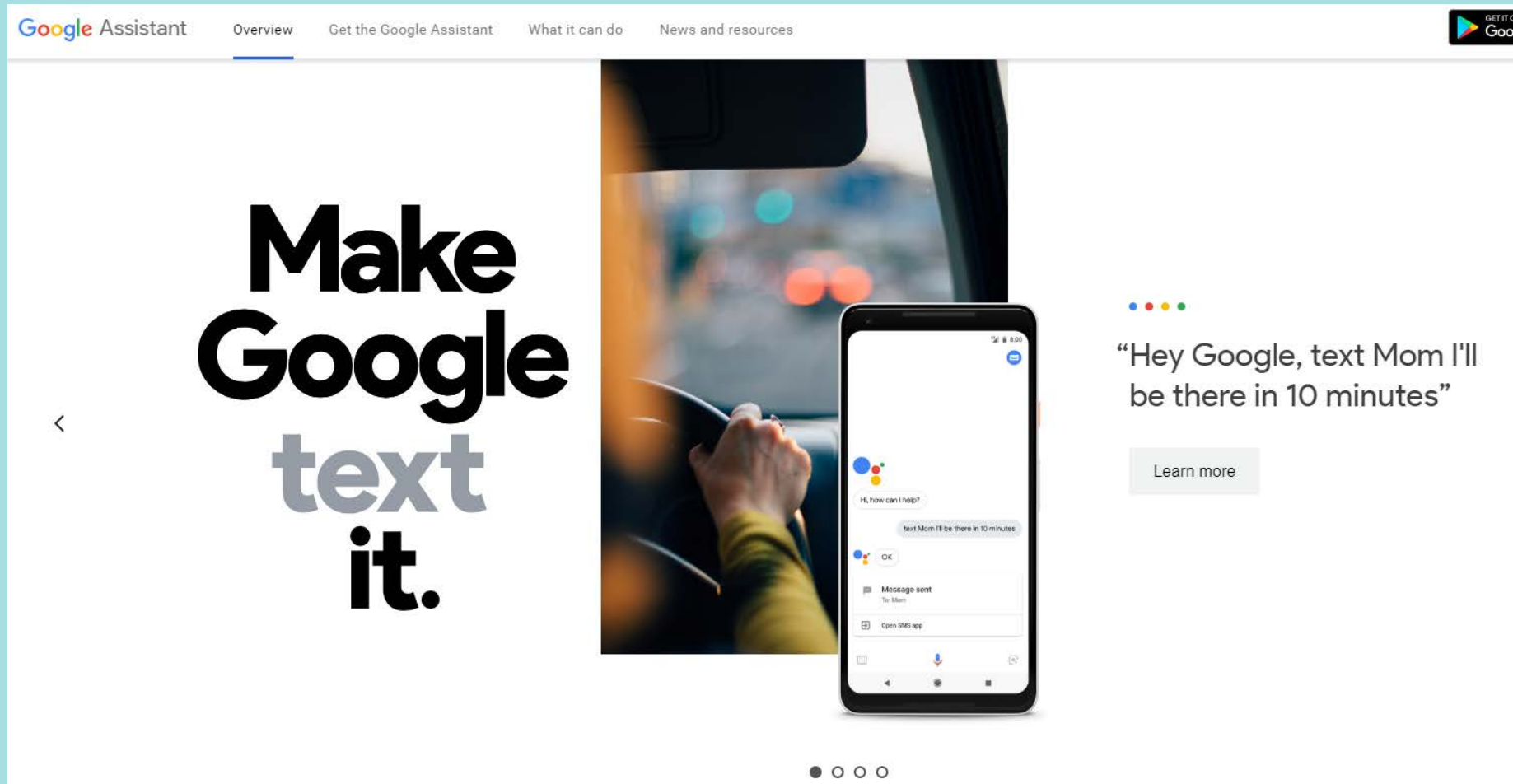- CONNECT AND BOOT THE DEVICE
- VERIFY IT WORKS

Voice Kit User's Guide

- SETTING UP YOUR DEVICE
- TURN ON THE GOOGLE ASSISTANT API
- USING YOUR DEVICE

Google Assistant

Dialogflow

Thanks! Q&A