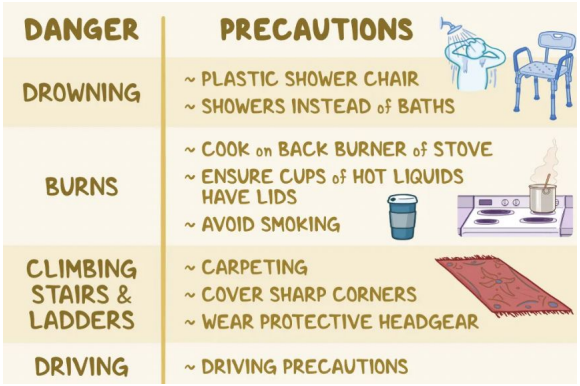
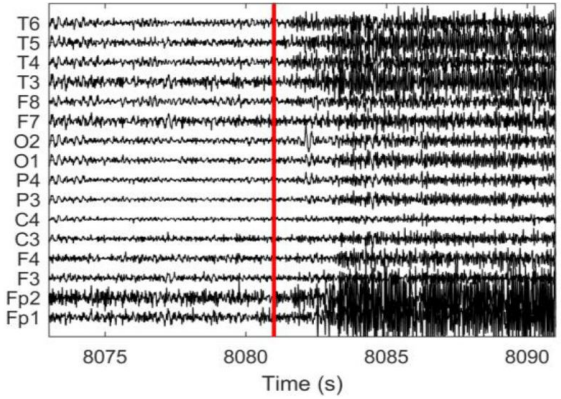
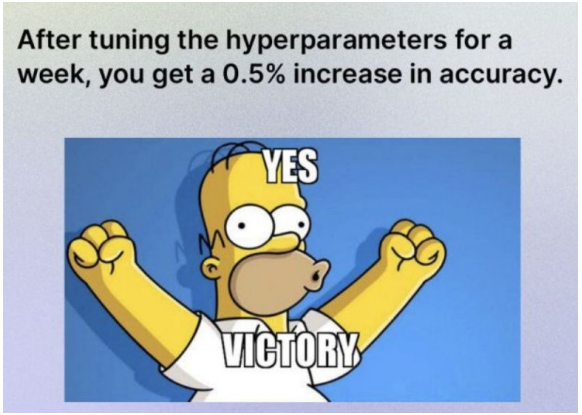
Seizure Detection



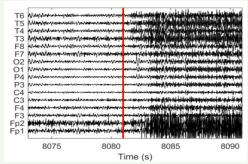




TensorFlow Lite

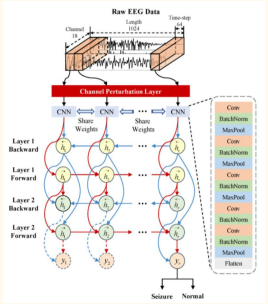
Seizure Detection

Background & Motivation



TensorFlow Lite

Details & Learning moments



- Literature review
- Literature review
- Literature review

Step 1: Preprocessing
- Filter
- ~~Eye blinking threshold~~
- ~~Other Artifacts removal~~ → ICA? Sparse coding?
- ? FFT to spectrum?

Step 2: Model
- Model development
  - Channel randomized
  - CNN + LSTM
  - Further modification
- optimize the size & latency
  - probe
  - Float >> int

Step 3
- Draw Figures
- Write paper
- Find a conference and submit it! ✈️

Step 4: Model implementation
- Collaborate with device division

Step 5: Seizure prediction