



# Verbal Seasoning

Engaging those without  
voice

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## THE PROBLEM

There are 100,000 new strokes in the UK every year, many people that suffer a stroke end up with speech impairment (dysphasia). These people are difficult to engage and connect with.

The background features a vibrant pink field on the left, transitioning into a deep purple field on the right. Large, overlapping white and purple circles are positioned in the upper left corner. A solid purple triangle is located in the upper right corner. A small white circle is situated in the lower right corner of the purple field.

## THE SOLUTION

Using a wearable EEG, information about your mood is sent to a robot companion which interprets how you feel and responds appropriately. This provides dysphasic patients with cognitive simulation and can help improve speech impairment. c

# How it works

EEG headset captures brainwaves  
and uses these to interpret emotion



## CHALLENGES

Integrating hardware and software is hard! Streaming the data from the EEG to the web server was the biggest hurdle.

## WHAT WE LEARNED

The team (except for Kate) has limited experience with hardware. We developed our UI skills and each of us used tools that we hadn't used before.

## WHAT'S NEXT

We would like to try Verbal Reasoning with patients and see if we've solved the problem we identified. Pepper's proprietary software which has sophisticated AI would've been able to better engage the patient.

