

Problem

American Sign Language is a visual and gestural based language that is difficult to learn with lack of practice

Solution

ASLingo provides an interactive web application for the public to learn, practice, and demonstrate American Sign Language

Benefits

- Real-time sign recognition for both static and dynamic signs
- Comprehensive in app resources to learn letters of alphabet and common vocabulary words of various difficulties
- Custom in-house data gathering tool for self trained sign recognition model
- Modularity of sign dataset allowing for ease of new additions

Key Features

Practice Page with User Input

Practice Instructions:

- Remember to keep your hands in the welcome theme at all times [Indicated by green outline]
- When performing signs without motion, use the "Static" button
- When performing signs with motion, use the "Dynamic" button
- When the type has been selected, hit the "Start Recording" button then perform the sign you chose after the count-down

Result: B Confidence: 89.0%

Static (Non-Moving) Sign Options:
All letters (A-Z)
Dynamic (Moving) Sign Options:
1 Hand:
Letters + J.Z.
Numbers + Numbers + Hello, Name, Please, Thank You
Feelings, Emotions = What, Where, Why?
2 Hands:
West, Records/Passives = Friends, Spaghetti

Exercises Page to Quiz Users

Result: F Confidence: 100.0%

spaghetti

Result: F Confidence: 100.0%

Our Team



Andrew Kil

Cassidy Baldin

Edward Zhuang

Jeremy Langner

Stanley Chan

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Tools Used

