

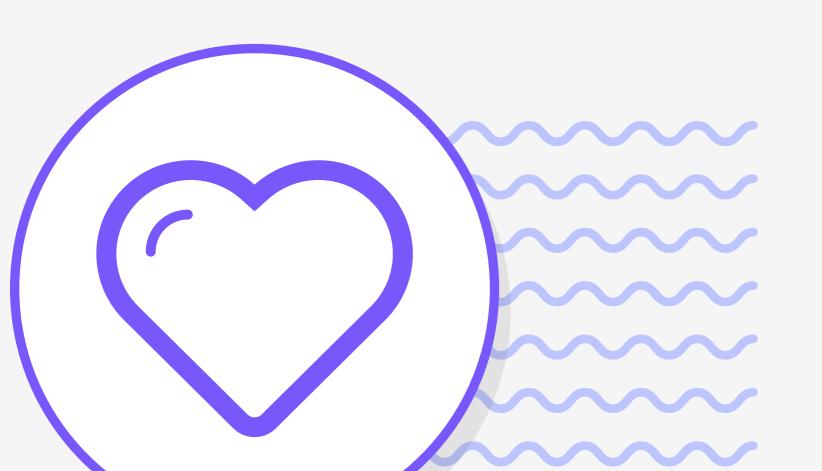
canvas

ASL-Alphabet Image Recognition

Originally created by Dave Gray at



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What do they HEAR?

Instructions or prompts guiding them through the ASL alphabet learning process

ASL- Alphabet Image Recognition

corresponding to the 26 letters of the English alphabet,

be used to improve communication between the deaf and

This project involves a model to classify images of hand signs

The trained model can be used to develop applications that can

recognize the ASL alphabet from real-time video streams, which could

WHO are we empathizing with?

individuals who

are interested

in learning or

improving their

skills in ASL.

Feedback sounds indicating successful recognition of a sign.

> Audio descriptions or explanations of each ASL alphabet sign.

> > Practice ASL signs regularly to improve their skills.

People who are Deaf/Hard of hearing and people who learn ASL for

various reasons.

GOAL

What do they THINK and FEEL?

GAINS

What are their wants,

Confidence in

recognizing a

wide range of

ASL signs.

Improved

proficiency in

fingerspelling.

needs, hopes, and dreams?

PAINS

Limited

resources for

practicing

ASL

recognition

What are their fears,

frustrations, and anxieties?

Difficulty

finding

reliable tools

for ASL

learning.

Interact with the application and Learn and Practice.

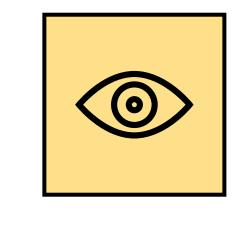
What do they need to DO?

Receive Feedback and track progress.

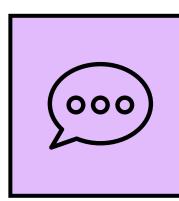
Images of alphabet signs

Possibly images of people using ASL in real-world scenarios.

What do they SEE?



What do they SAY?



"I wish there was a tool that could help me learn and practice ASL fingerspelling."

Seek out tools and apps to assist in learning ASL.

"I struggle with recognizing certain signs, and it's frustrating."

Use online resources to supplement their ASL learning.

Frustration

when

struggling to

recognize

certain signs.

What other thoughts and feelings might influence their

behavior?

Motivation to

continue

learning ASL

and improving

their skills.

What do they DO?

Further enhance their ASL by learning words and sentences in it..

Need some inspiration? See a finished version of this template to kickstart your work.





