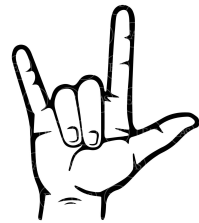


SIGN LANGUAGE FOR ALL (SLFA)



By: Shravan Devraj, Audrey Cheah,
Santhosh Thanikachalam, David
Martinez, and Anthony Byron
Mentor: Roy Luengas





INTRODUCTION & MISSION STATEMENT



Knowledge in sign language is a vital tool in order to communicate and understand people who lack the ability to hear or speak.

The problem that we are addressing is the common miscommunication that people have with auditory-deficient people. Sign language is often times not covered in schools and is uncommon in many households, which can cause frustration and disconnection when the time to use it arises.

Our goal, here at SLFA is to make American Sign Language (ASL) education more accessible to everyone. Sign Language For All (SLFA) uses machine learning and image recognition to provide an accessible platform where people can learn and practice ASL from anywhere!

>>>>

ABOUT US

>>>>

Audrey is a middle school aged student who managed the machine learning aspect of the SLFA website for you to practice ASL.

David is in 10th grade and in New York. I worked on the design. I am new to coding but I did my best to help my team.

Anthony am a Senior in High School who virtually new to coding and all its aspects. I helped the team in any way I could by giving support and following orders

—

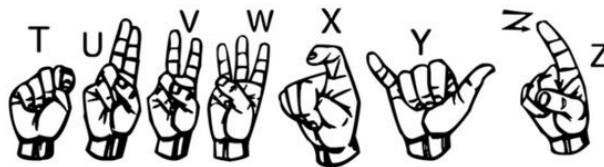
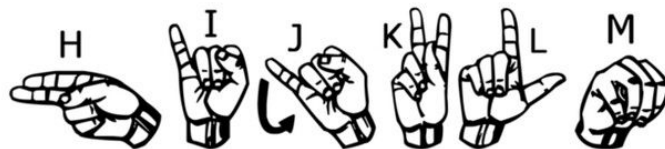
note to be deleted later please add a short description of yourself

—

How did you contribute to the website? You can add that.

ASL Alphabet

American Sign Language Chart



>>>>

Common ASL Phrases



YES



NO



THANK YOU



HELLO



I LOVE YOU



GOODBYE



YOU ARE WELCOME



PLEASE



SORRY

>>>>

Did you know...



...that almost 20% of living people in the world (over 1,500,000,000 people), have hearing disorders or issues?



...that possibly a majority of deaf students lack home-use of sign language, greatly reducing important communication with the world around them?



...that 90% to 95% of deaf children have parents who do not know sign language?



...that approximately 70 million deaf people use sign language as their first language?

SOURCES

- <https://www.redbubble.com/i/photographic-print/ASL-Alphabet-American-Sign-Language-Chart-by-kevinobrien/40226867.600TX>
- <https://www.dummies.com/article/academics-the-arts/language-language-arts/learning-languages/american-sign-language/signing-for-dummies-cheat-sheet-208315/>
- https://www.who.int/health-topics/hearing-loss#tab=tab_1
- <https://www.bu.edu/articles/2017/asl-language-acquisition/>
- <https://www.nyfoundling.org/6-facts-for-international-week-of-the-deaf/>



[HTTPS://CODE-A-THON.CODE-A-THON2023.REPL.CO/INDEX.HTML](https://code-a-thon.code-a-thon2023.repl.co/index.html)

