

Project Proposal HCI & IV 2022		
*Title	Learning Platform for Sign Language	
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Theme	D New Interaction	
Visualization	Fit the Leap Motion gestures into a representative model (which corresponds to a word) on your screen.	
Platform	Leap Motion	
Intended Users	People with auditory impairment, caretakers and people who are interested in learning sign languages.	
Research Question	Would leap motion enhance the learning experience for sign language?	
<p>People can learn new languages through various methods, such as taking a course, conversing with native speakers and using applications. However, there are not enough ways to learn sign language.</p> <p>There currently exist several gesture recognition applications for the leap motion but we have not found any that offer any interactive educational capabilities. We therefore try to address this issue by making an application which enables the user to interactively learn sign language in real time. This would greatly reduce the learning curve of sign language learners as the user can immediately get feedback on his or her gestures without the need of a teacher.</p> <p>The project will focus on teaching American Sign Language to English users. We hope that this application will be able to become an easy to use and engaging mediator between users with auditory impairment and general users to overcome the communication boundary.</p>		