

All even
feature IDs
are for two
handed signs

Static Data
Structure

*when I refer to Right if it is one
handed sign, then it means the hand
that is signing

	Feature ID	Type of Feature	Two Handed, One Handed or Both	How to determine if feature is present	Signs with this feature (when i have a full list of signs I will populate this column)
Using Frame in Leap API	0	2 Hands	Both	Leap API: Check size of HandList from frame of Leap	
Using Hand in Leap API	1	Right* Palm Facing Leap	Both	Leap API: Check Palm Normal Y Value (if dynamic take mean of Y values). If value is less than 0 then it is facing the Leap	
	2	Left Palm Facing Leap	Two Handed	Same as above	
Using Finger Object of Type PINKY	3	Right* Pinky Extended	Both	Leap API: Get TYPE_PINKY from Finger List (API reference) Check using Finger.isExtended() method	
	4	Left Pinky Extended	Two Handed	Same as above	
	5	Right* Pinky Bent	Both	Find Intermediate bone finger direction, find proximal bone finger direction, then find the angle between the two. If it is above a threshold (0.8 radians) then this feature is present Refer to Toms code	
	6	Left Pinky Bent	Two Handed	Same as above	
Using Finger Object of Type RING	7	Right* Ring Finger Extended	Both	Leap API: Get TYPE_RING from Finger List (API reference) Check using Finger.isExtended method	
	8	Left Ring Finger Extended	Two Handed	Same as above	
	9	Right* Ring Finger Bent	Both	Find Intermediate bone finger direction, find proximal bone finger direction, then find the angle between the two. If it is above a threshold (0.8 radians) then this feature is present Refer to Toms code	
	10	Left Ring Finger Bent	Two Handed	Same as above	
Using Finger Object of Type MIDDLE	11	Right* Middle Finger Extended	Both	Leap API: Get TYPE_MIDDLE from Finger List (API reference) Check using Finger.isExtended() method	
	12	Left Middle Finger Extended	Two Handed	Same as above	
	13	Right* Middle Finger Bent	Both	Find Intermediate bone finger direction, find proximal bone finger direction, then find the angle between the two. If it is above a threshold (0.8 radians) then this feature is present Refer to Toms code	
	14	Left Middle Finger Bent	Two Handed	Same as above	
Using Finger Object of Type INDEX	15	Right* Index Finger Extended	Both	Leap API: Get TYPE_INDEX from Finger List (API reference) Check using Finger.isExtended method	
	16	Left Index Finger Extended	Two Handed	Same as above	
	17	Right* Index Finger Bent	Both	Find Intermediate bone finger direction, find proximal bone finger direction, then find the angle between the two. If it is above a threshold (0.8 radians) then this feature is present Refer to Toms code	
	18	Left Index Finger Bent	Two Handed	Same as above	
Using Finger Object of Type THUMB	19	Right* Thumb Extended	Both	Leap API: Get TYPE_THUMB from Finger List (API reference) Check using Finger.isExtended method	
	20	Left Thumb Extended	Two Handed	Same as above	
	21	Right* Thumb Bent	Both	Find Intermediate bone finger direction, find proximal bone finger direction, then find the angle between the two. If it is above a threshold (0.8 radians) then this feature is present Refer to Toms code	
	22	Left Thumb Bent	Two Handed	Same as above	