





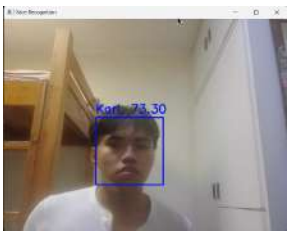
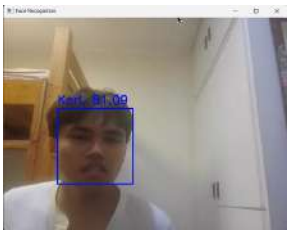


Eigenface Recognizer			
Image	Expected Output	Actual Output	Remarks
	Karl	Not Karl	Fail
	Karl	Not Karl	Fail
	Karl	Not Karl	Fail
	Karl	Not Karl	Fail
	Karl	Karl	Pass

	Karl	Karl	Pass
	Karl	Karl	Pass
	Karl	Karl	Pass
	Karl	Karl	Pass
	Karl	Karl	Pass
	Karl(left) Not Karl (right)	Karl(left) Not Karl (right)	Pass




	Karl (left) Not Karl (right)	Not Karl (left) Unrecognized (right)	Fail
	Karl	Karl	Pass
	Karl	Karl	Pass
	Karl	Not Karl	Fail
	Karl	Not Karl	Fail
	Karl	Unrecognized	Fail


	Karl	Not Karl	Fail
	Karl	Unrecognized	Fail
	Karl	Unrecognized	Fail
<p>Discussion:</p> <ul style="list-style-type: none"> - In this face recognition I used over 300+ pictures to train each model, the majority consisting of label 1 (which is me) and 0 (my cousin). In the first few images, the model itself was having trouble when it came to recognizing my face. My hypothesis is that there must be something wrong with the light or distance that is causing this model to be inaccurate. So after that, I tested the model again in the dark, and it was surprisingly good at identifying my cousin's face and mine. I even tried to wear my glasses and my hat in the dark and it was still successful at identifying me. 			


LPBHF Recognizer			
Image	Expected Output	Actual Output	Remarks
	Karl	Unrecognized	Fail
	Karl	Not Karl	Fail
	Karl	Karl	Pass
	Karl	Karl	Pass
	Karl	Karl	Pass



	Karl (Left) Not Karl (Right)	Not Karl (Left) Unrecognized (Right)	Fail
	Karl (Left) Not Karl (Right)	Not Karl (Left) Not Karl (Right)	Fail
	Karl (Left) Not Karl (Right)	Not Karl (Left) Not Karl (Right)	Fail
	Karl (Left) Not Karl (Right)	Karl (Left) Not Karl (Right)	Pass
	Karl	Karl	Pass
	Karl	Karl	Pass

	Karl (Left) Not Karl (Right)	Karl (Left) Not Karl (Right)	Pass
	Karl (Left) Not Karl (Right)	Karl (Left) Karl (Right)	Fail
	Karl	Karl	Pass
	Not Karl	Karl	Fail
	Karl(left) Not Karl (right)	Unrecognized (left) Not Karl (right)	Fail
	Karl(left) Not Karl (right)	Karl(left) Not Karl (right)	Pass

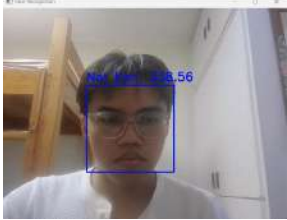
	Not Karl	Not Karl	Pass
	Karl	Unrecognized	Fail
	Karl(left) Not Karl (right)	Not Karl (left) Not Karl (left)	Fail
<p>Discussion:</p> <ul style="list-style-type: none"> - In this model, there was a lot of misrecognition on the first few images with the white lighting and the background. The model also found it difficult to distinguish who the person was found in the image. I also noticed that the model is also having a hard time distinguishing when i have my glasses on under the white light, but was producing good results when the lights are off. 			

Fischer Recognizer			
Image	Expected Output	Actual Output	Remarks
	Karl	Unrecognized	Fail

	Karl	Not Karl	Fail
	Karl	Not Karl	Fail
	Karl	Not Karl	Fail
	Karl	Not Karl	Fail
	Karl	Unrecognized	Fail
	Not Karl	Unrecognized	Fail

	Not Karl	Karl	Fail
	Not Karl	Karl	Fail
	Not Karl	Not Karl	Pass
	Not Karl	Not Karl	Pass
	Karl(left) Not Karl (right)	Not Karl (Left) Not Karl (Right)	Fail
	Karl(left) Not Karl (right)	Not Karl (left) Unrecognized	Fail

	Karl(left) Not Karl (right)	Unrecognized(left) Karl(right)	Fail
	Karl(left) Not Karl (right)	Unrecognized(left) Karl(right)	Fail
	Karl(left) Not Karl (right)	Karl(right) Karl(right)	Fail
	Karl(left) Not Karl (right)	Not Karl (left) Karl (right)	Fail
	Karl	Unrecognized	Fail
	Karl	Not Karl	Fail

	Karl	Not Karl	Fail
<p>Discussion:</p> <ul style="list-style-type: none"> - Although this model is considered to be one of the most popular models used for face recognition, this model is the most inconsistent among the three (in my activity). In the images above, you can see that most of the time the predictions were not correct. Even if the background is dim and when I wear my glasses, the model finds it difficult to find a face and even fails to recognize them properly. 			