+ What in Face Recognition! Reagnizer facer and live human is Rection. Technologies: -> Injut emage, more /I) Veryliesties -> autput veltvor The input juninge in that of the lained person. Recognition: -> Han a dotobase of k jorsom. -> 6-et uput mage. (1:k)Datrut ID if The mage of The + One - Slut learning Only one image (or opportunity to recognize) Toraditionally Deep Learning algorithum dan's work well with one image Learning needs to leappen from just one enings!

("kearing" semularity" function d (ing 1, my 2) = degree of déference. If d(ing 1, ing 2) = T " rane" > T "different"

+ Elee Seinnese Netreark
Intead of company raw pies,
you an compose encoded veresies.
$\chi^{(1)} = \sum_{i=1}^{n} Conv Net - \sum_{i=1}^{n} I_{i} C_{i} C_{i}$
$\chi^{(2)} = \sum_{i=1}^{n} conv Net = \sum_{i=1}^{n} \int_{a}^{b} (\chi^{(2)})$
$x^{(1)} = $ cano Net $- > [a]_{(x^{(1)})}$ $x^{(2)} = > cano Net =) [a]_{(x^{(2)})}$ $d(x^{(1)}, x^{(2)}) = a]_{(x^{(2)})} - a]_{(x^{(2)})} _{2}$
If They are The name person, The distance (d) will be small.
+ Trylet Lon
Andron Image, Positive, Negative, We want The distance between The andless and the possitive value to be smaller I han The regative
We can't The distance between The andhor and the restline value to be smaller I han
The negative
$\frac{\ f(A) - f(P)\ ^2 + \alpha \leq \ f(A) - f(N)\ ^2}{d(A, P)}$
$ f(A)-f(P) ^2- f(A)-f(M) ^2+\alpha \leq 0.$ margin.
margin.

The lan function: Geven 3 minges A, P, N. L(AP, N) = max("f(A)-g(P)112-11f(A)-f(N)112+x) 0) $J = \{ (A^{(i)}) P^{(i)} (A^{(i)}) \}$ · Clearing The Triplets A, P, N. + If random, $d(A,P) + x \leq d(A,N)$ is early natisfies - We choose Triplets That one "land" To + Face Vereficiations and been desufuntion. Another very Ta approach The problem in To join The benoy comparason an a bevory moltern.

Its a different approach to The Trupplet approach;