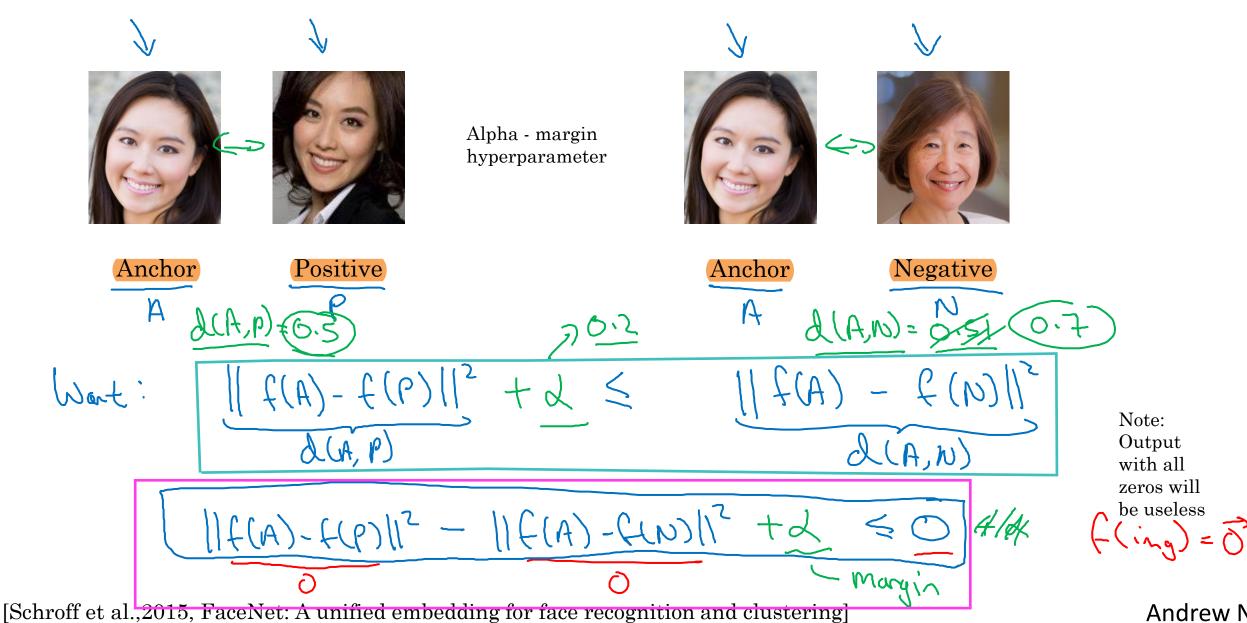


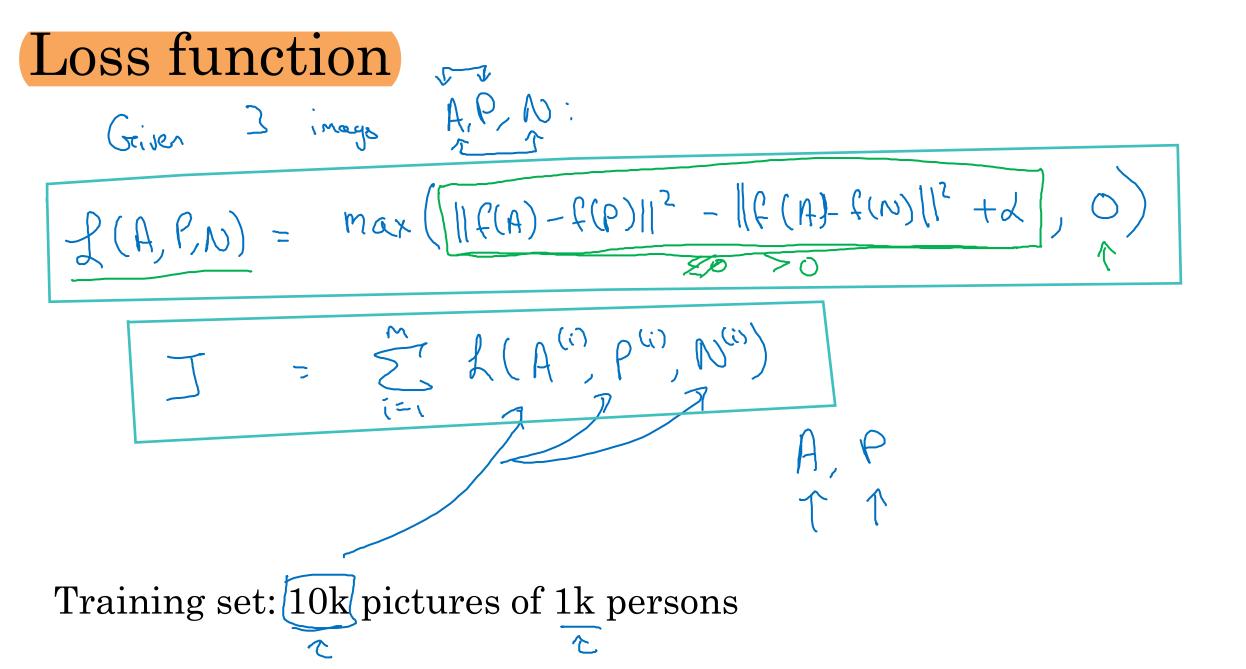
Face recognition

Triplet loss

Learning Objective



Andrew Ng

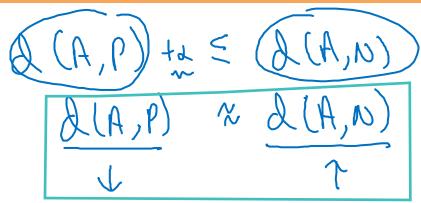


Choosing the triplets A,P,N

During training, if A,P,N are chosen randomly,

$$d(A,P) + \alpha \le d(A,N)$$
 is easily satisfied.
 $\|f(A) - f(P)\|^2 + \lambda \le \|f(A) - f(M)\|^2$

Choose triplets that're "hard" to train on.





Training set using triplet loss

