











AAM Modeling			
Training Images	1. Alignment		Shape Vector
Landmark points selected by hand	Align all the sets of points into a common coordinate frame	⇔	[x ₁ ,y ₁ ,x _n ,y _n]
Mean Shape *		4	. Combine & PCA
2. PCA $x = \hat{x} + P_s b_s$ \Rightarrow Shape Variation Shape Parame		-	Combine two vectors with weights & PCA b= Qc
Grey-level Vector 3. PC	A Shape Paramete	ers	bg
$g = [g_1, \dots, g_n] \qquad \qquad$	Pgbg Shape Variation Mean Grey-leve		
	Α	AN	A Parameters c









