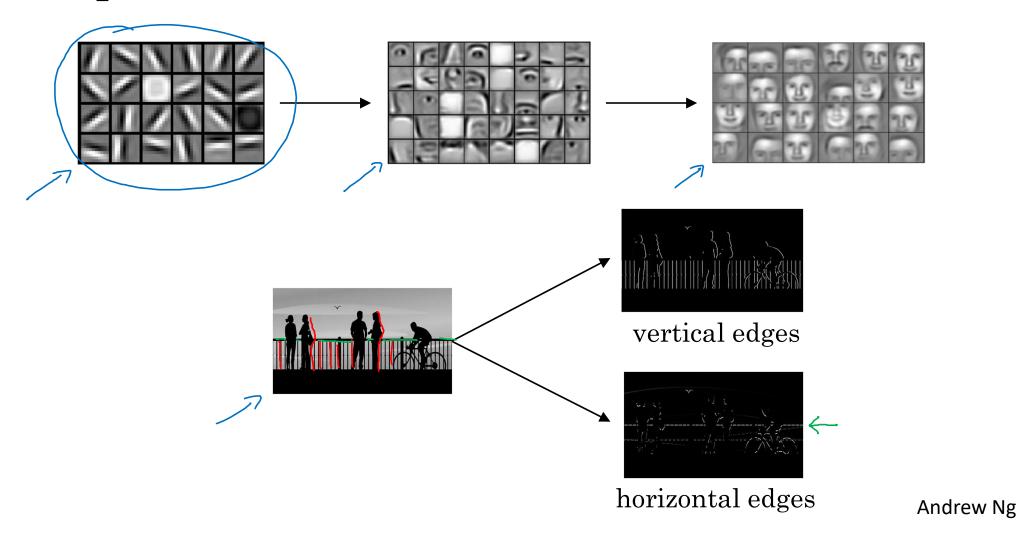


Convolutional Neural Networks

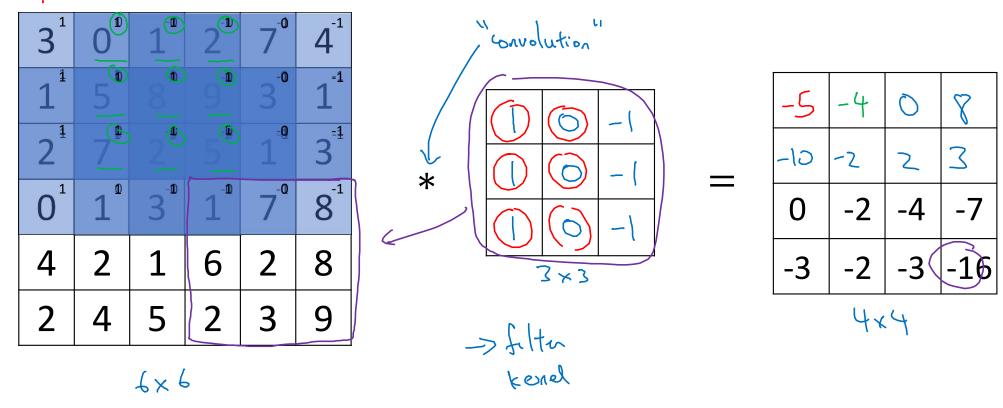
Edge detection example

Computer Vision Problem



Vertical edge detection

103x1 + 1x1 +2+1 + 0x0 + 5x0 +7x0+1x+ +8x-1+2x-1=-5



Vertical edge detection

_ 1		4				
10	10	10	0	0	0	
10	10	10	0	0	0	
10	10	10	0	0/	0	
10	10	10	0	0	0	
10	10	10	0	0	0	
10	10	10	0	0	0	
6 x 6						

	1	0	[-1]
*	1	0	-1
	1	0	-1
		3×3	

<u> </u>						
0	30	30	0			
0	30	30	0			
0	30	30	0			
0	30	30	0			
14×4						

