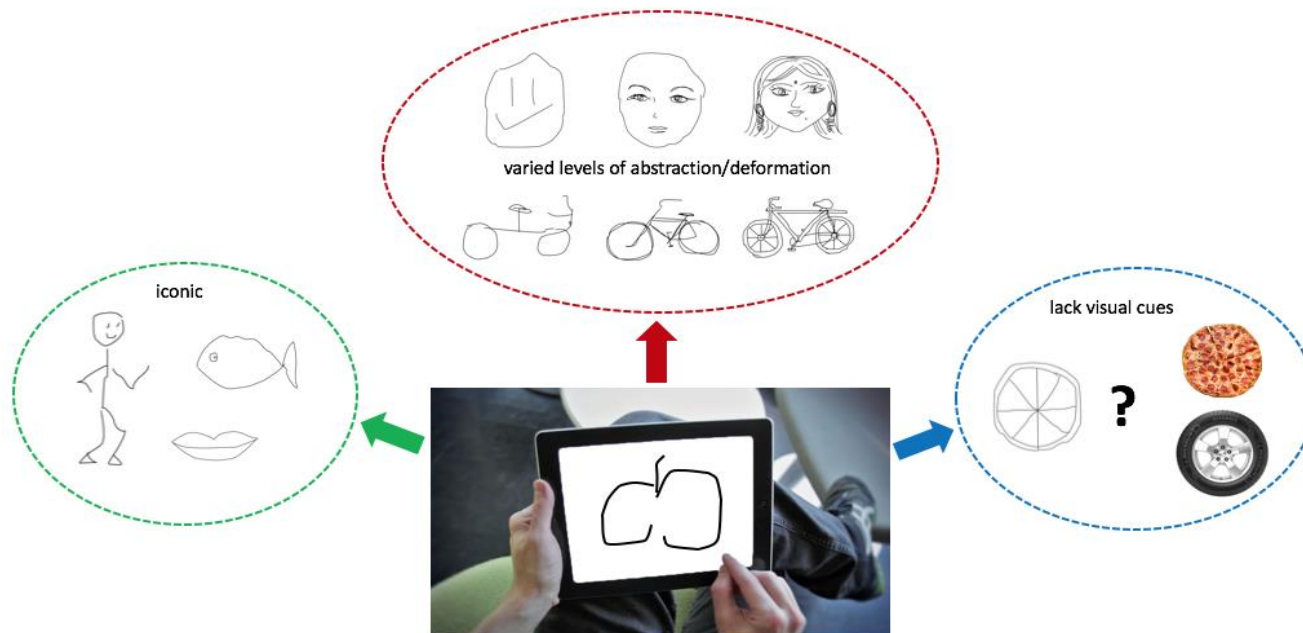
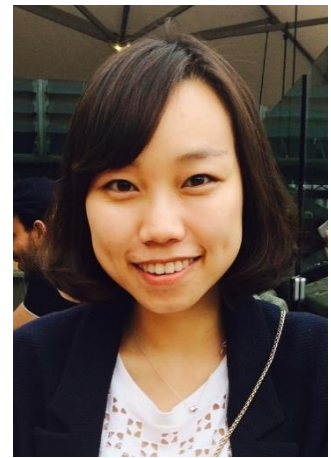


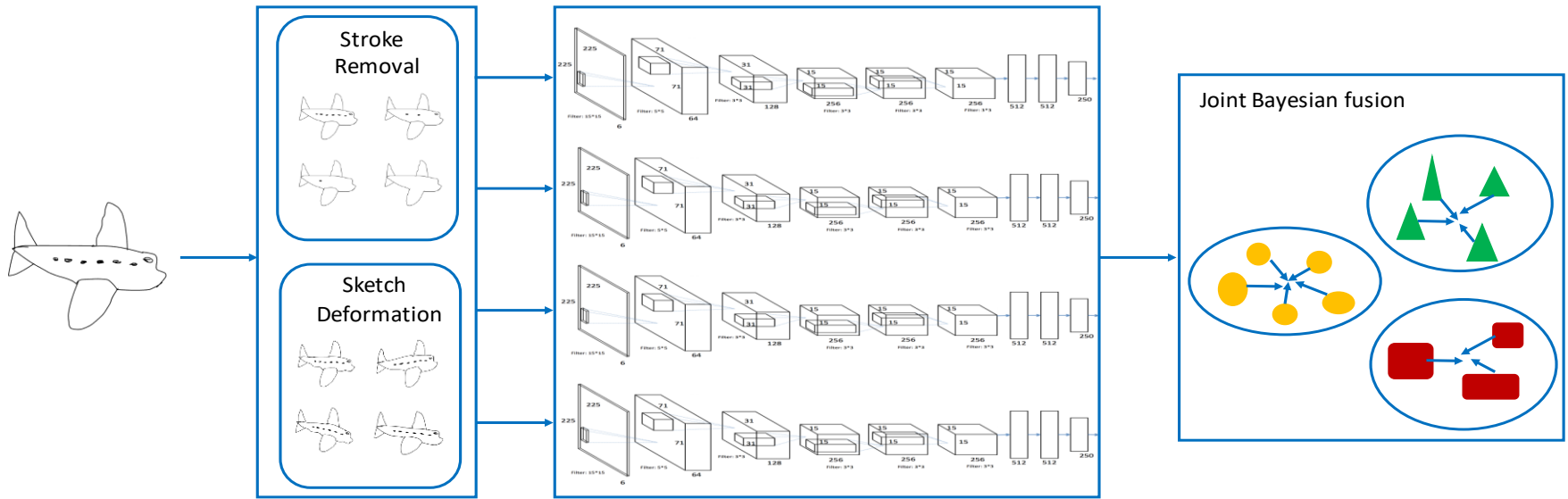
# Sketch-a-Net: A deep neural network that beats humans

Qian Yu

- A deep neural network designed for sketch
- Two sketch-specific data augmentation methods
- Explore different fusion strategies



# Sketch-a-Net



Stroke Removal



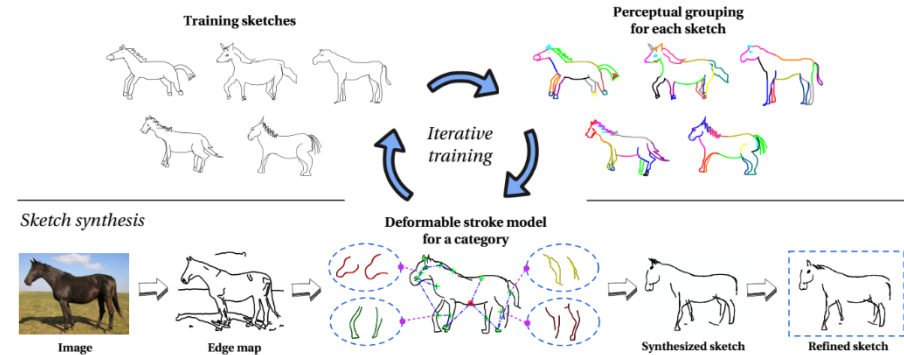
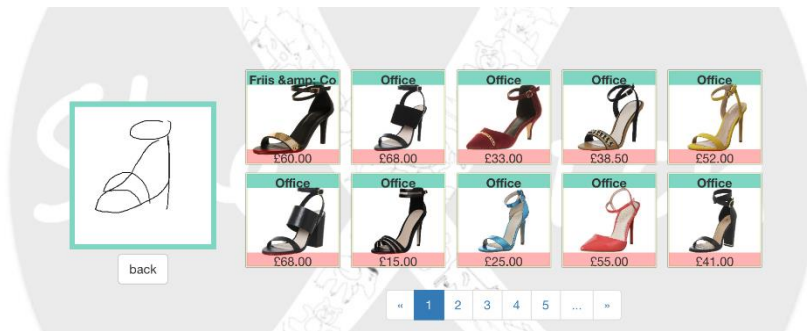
Sketch Deformation



# Results and conclusion

w/ fusion (full model)	w/o fusion (single)	Human
77.95%	77.06%	73.1%

## Applications



Please find more interesting research here: <http://sketchx.eecs.qmul.ac.uk/>

### Sketch-a-Net: A Deep Neural Network that Beats Humans

Q. Yu, Y. Yang, F. Liu, Y. Song, T. Xiang, T. Hospedales  
International Journal of Computer Vision (IJCV), 2017