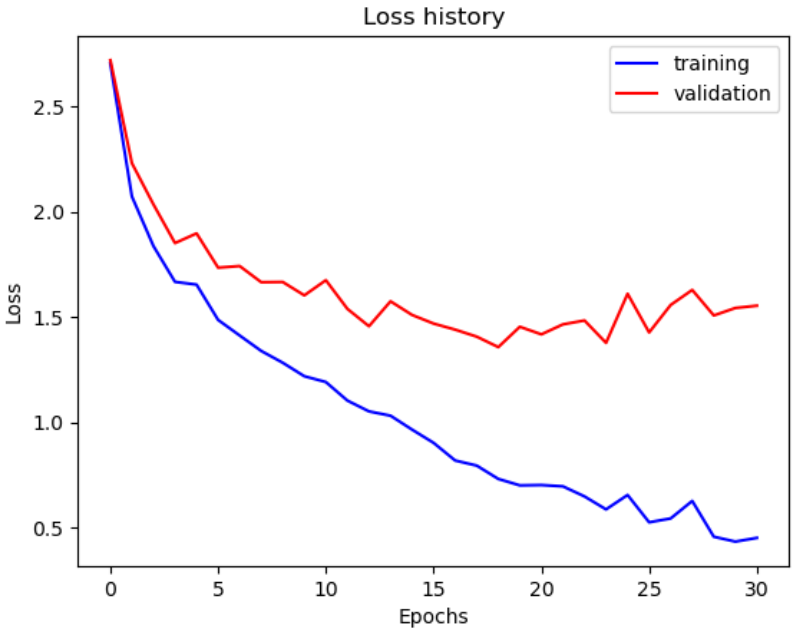
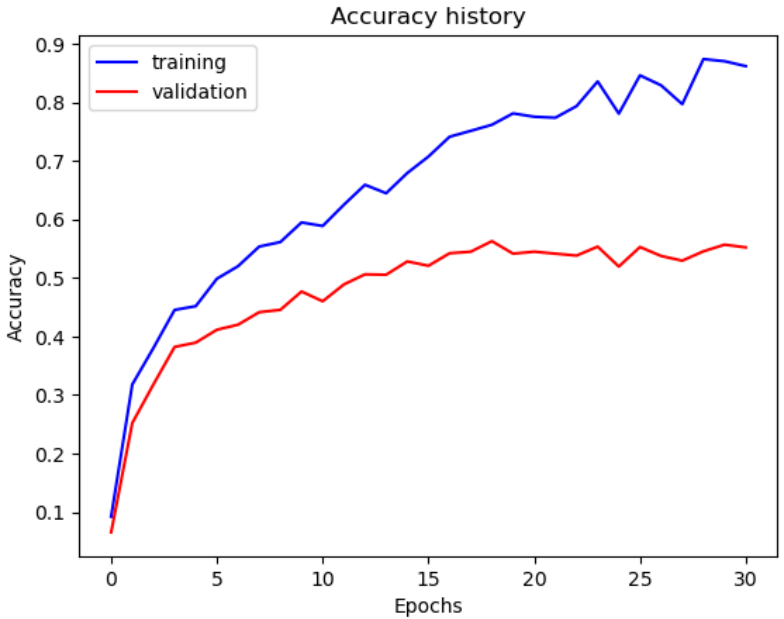
Training SimpleNet





Final training accuracy value: 0.8616

Final validation accuracy value: 0.5520

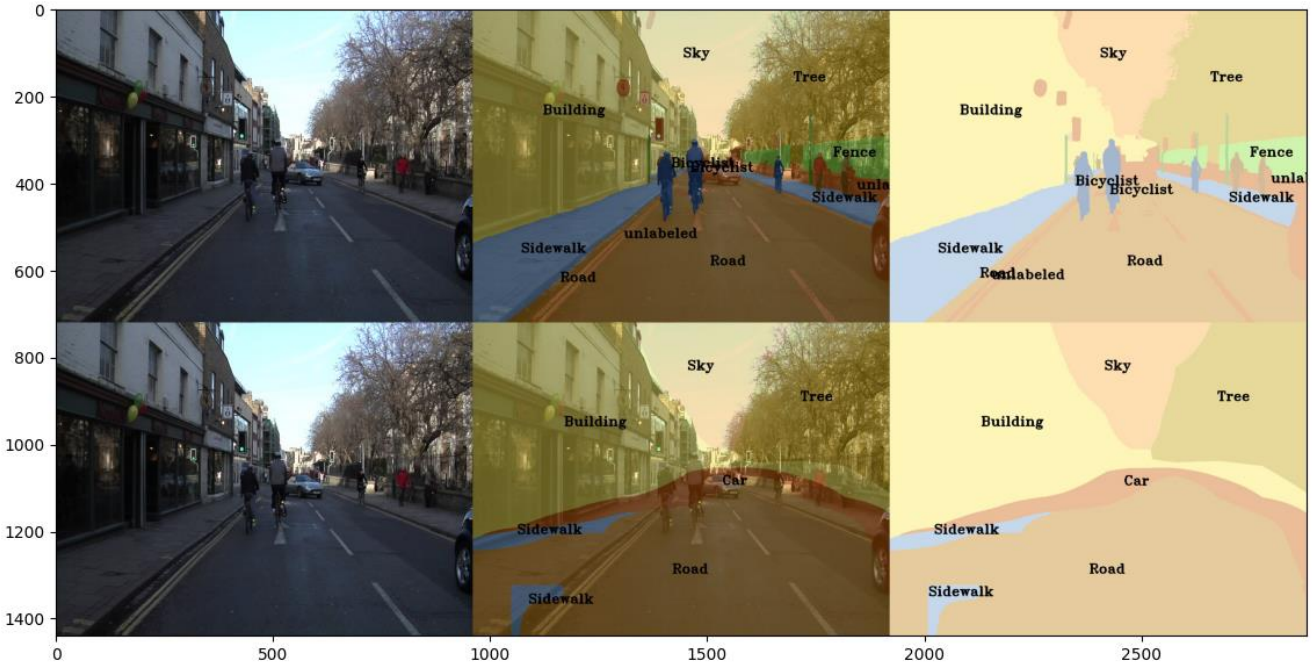
Simple Segmentation Net

Class Index	Class name	Simple Segmentation Net Class IoU
0	Building	0.8082
1	Tree	0.8265
2	Sky	0.8589
3	Car	0.5568
4	SignSymbol	0.0000
5	Road	0.8887
6	Pedestrian	0.0000
7	Fence	0.0015
8	Column_Pole	0.0000
9	Sidewalk	0.6270
10	Bicyclist	0.0000

Validation mIoU: 40.32%

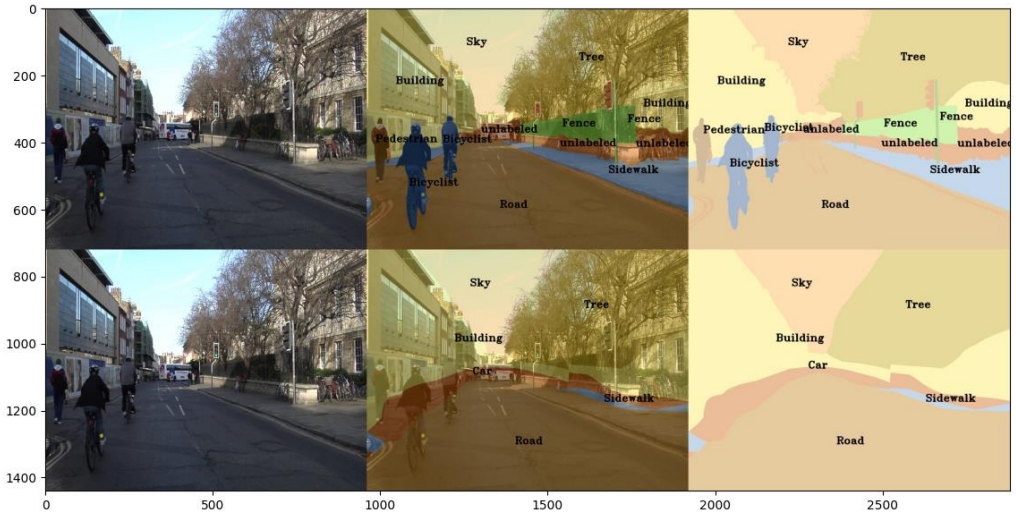
Number of Epochs: _10___

Simple Segmentation Net

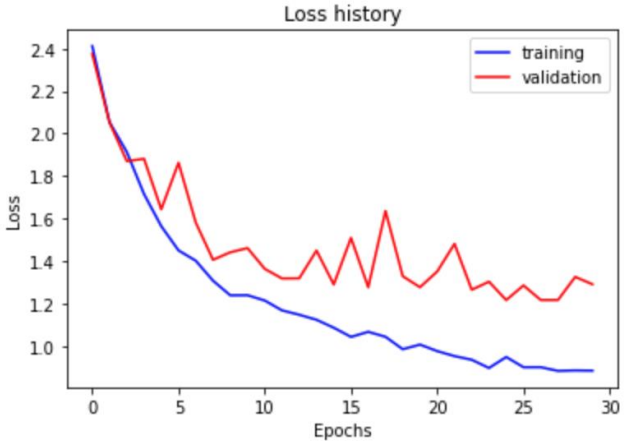


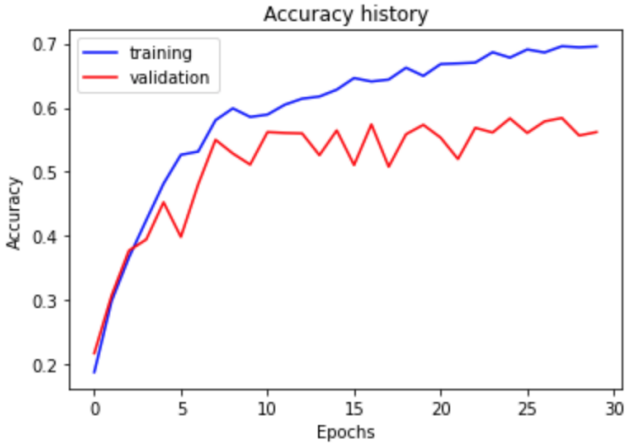
Simple Segmentation Net

Sign Symbol, pedestrian, column pole, and bicyclist have the lowest mIoU. They are difficult to accurately detected because the Simple Segmentation Net is not powerful enough to capture the complexity of these classes. Also, due to complexity of these classes, there is a limited amount of training data available for these classes, the model may not be able to learn to segment them effectively. This can result in a low mIoU score for those classes.



Training to solve overfitting





Final training accuracy value: 0.6984873489846833

Final validation accuracy value: 0.543

PSPNet

Class Index	Class name	PSPNet Class IoU
0	Building	0.9001
1	Tree	0.9102
2	Sky	0.9146
3	Car	0.8104
4	SignSymbol	0.0000
5	Road	0.9529
6	Pedestrian	0.3599
7	Fence	0.7276
8	Column_Pole	0.0900
9	Sidewalk	0.8413
10	Bicyclist	0.6984

Validation mIoU: `0.6550`

Number of Epochs: _100___

PSPNet Prediction output