

CS537 HW2

933271081
Chih-Hsiang, Wang

- Type of keypoints:
SURF
- Hyper-parameters of the CNN:

(Epochs: 100)

```
nn.Conv2d(1, 32, kernel_size=3, padding=1, bias = False),
nn.BatchNorm2d(32, affine=False),
nn.ReLU(),
nn.Conv2d(32, 32, kernel_size=3, padding=1, bias = False),
nn.BatchNorm2d(32, affine=False),
nn.ReLU(),
nn.Conv2d(32, 64, kernel_size=3, stride=2, padding=1, bias = False),
nn.BatchNorm2d(64, affine=False),
nn.ReLU(),
nn.Conv2d(64, 64, kernel_size=3, padding=1, bias = False),
nn.BatchNorm2d(64, affine=False),
nn.ReLU(),
nn.Conv2d(64, 128, kernel_size=3, stride=2, padding=1, bias = False),
nn.BatchNorm2d(128, affine=False),
nn.ReLU(),
nn.Conv2d(128, 128, kernel_size=3, padding=1, bias = False),
nn.BatchNorm2d(128, affine=False),
nn.ReLU(),
nn.Dropout(0.3),
nn.Conv2d(128, 128, kernel_size=8, bias = False),
nn.BatchNorm2d(128, affine=False),
```

CS537 HW2

- Two recall-precision curves

