

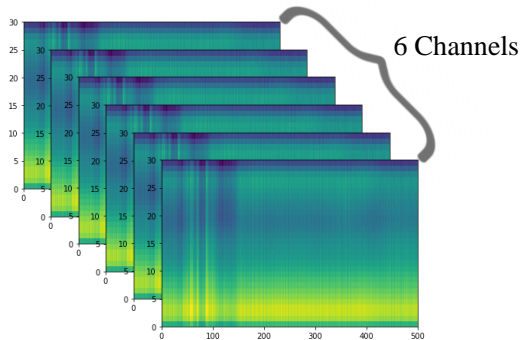
Wi-Fi Signatures

Collected 3920 samples

1960 samples for Training:

98 x 4 x 5

- 98 identities
- 4 direction
- 5 experiments



Sample Size: 90000

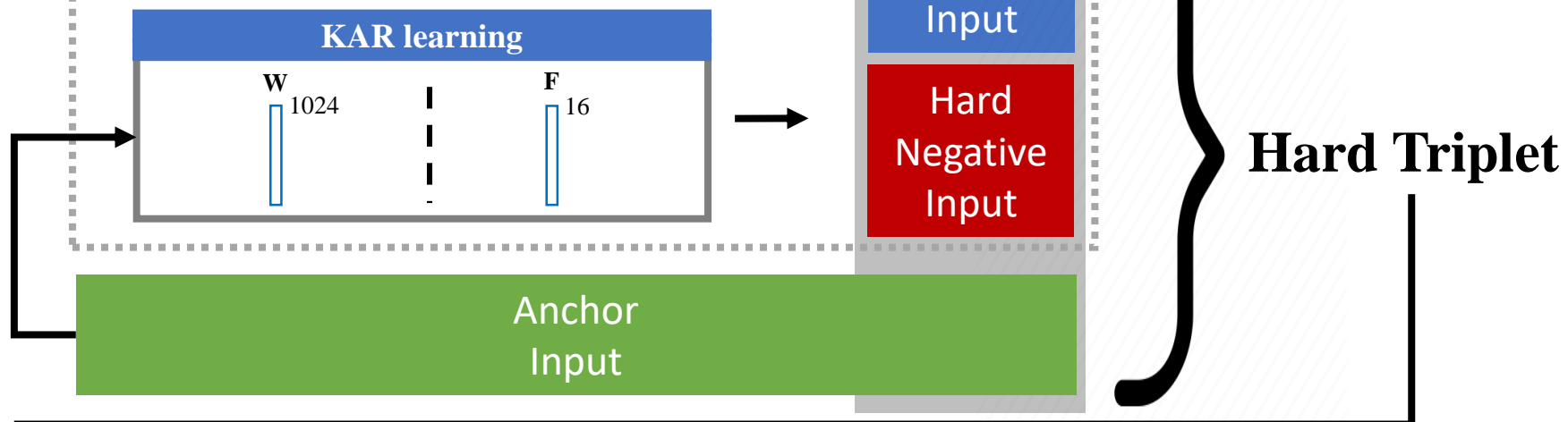
500 x 30 x 6

- 500 packets
- 30 subcarriers
- 6 channels

Making Triplet Input

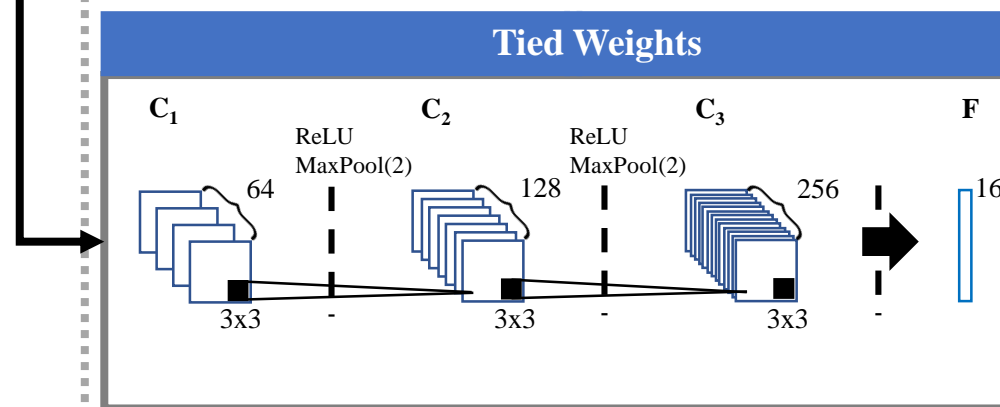
(a) Triplet Mining

Selects Hard Positives /
Hard Negatives by KAR learning



Triplet Network

(b) ConvNet Structure



(c) Triplet Loss

