

Reward Function 1 - Instant Parking: PPO

```
1:  $reward \leftarrow 0$ 
2: if car is inside spot then
3:    $reward \leftarrow reward + 500$ 
4: else
5:    $reward \leftarrow reward - 3$ 
6:   if car collides then
7:      $reward \leftarrow reward - 10$ 
8:   end if
9:   if car is moving then
10:     $reward \leftarrow reward + 2$ 
11:  end if
12: end if
```

▷ Punish the car for being away from parking spot
