

# DeepRacer

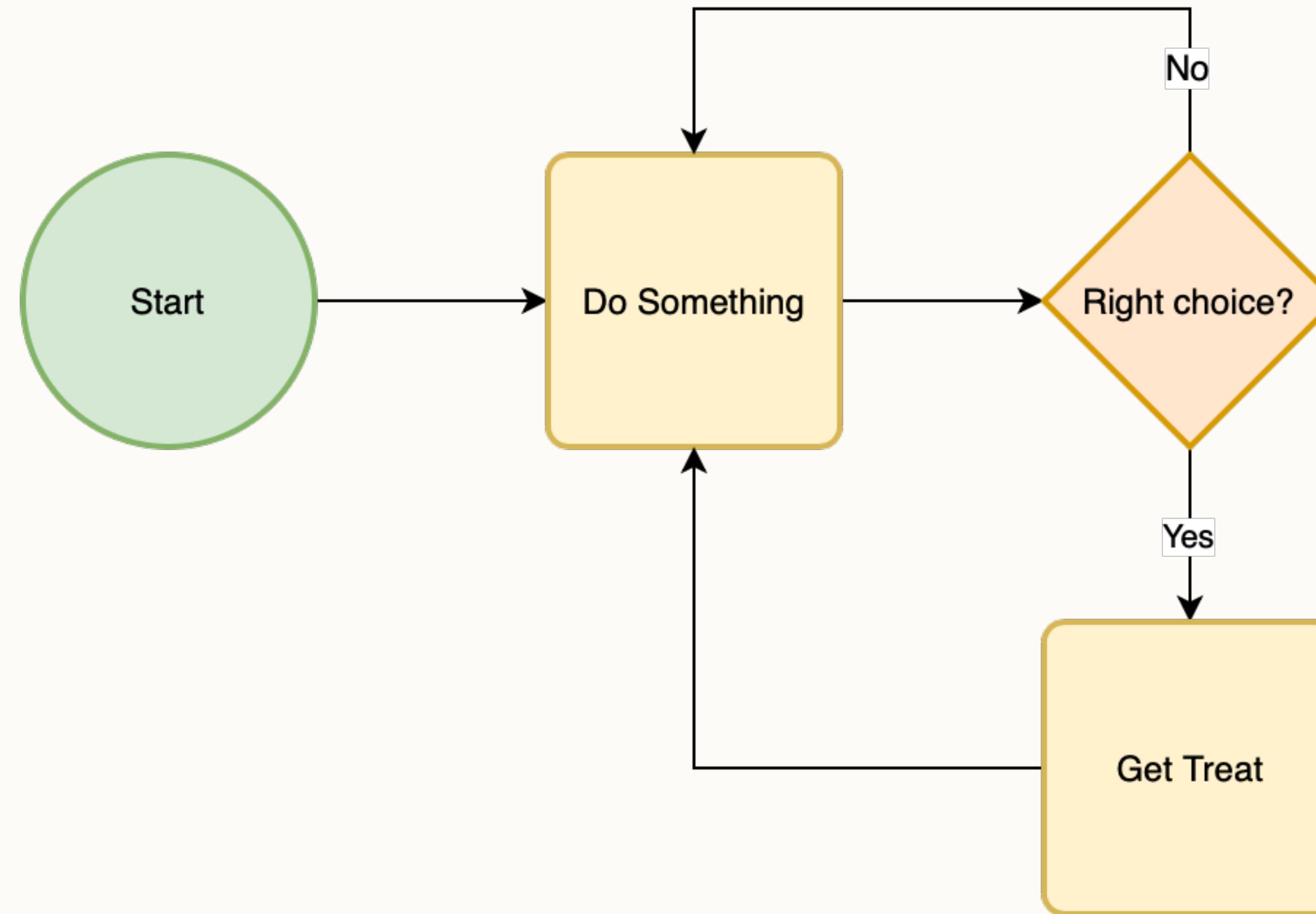
From Start to Finish 🏁

Arjen Schwarz  
Lead Platform Engineer @ DigIO



# Meet DeepRacer

# Reinforcement Learning



# Give DeepRacer a Treat



```
def reward_function(params):
    # Give higher reward if the car is closer to center line and vice versa
    if distance_from_center <= marker_1:
        reward = 1.0
    elif distance_from_center <= marker_2:
        reward = 0.5
    elif distance_from_center <= marker_3:
        reward = 0.1
    else:
        reward = 1e-3 # likely crashed/ close to off track

    return float(reward)
```

Show, don't tell

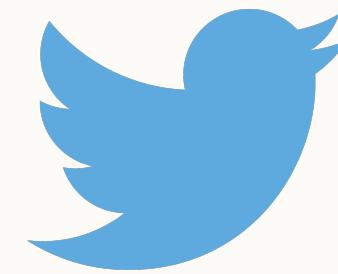
;} ig.nore.me



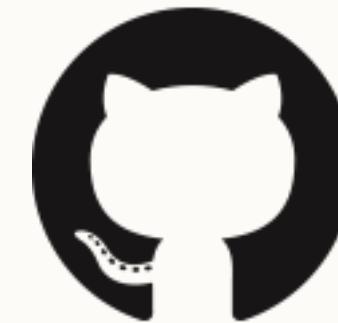
<https://ig.nore.me>



[bit.ly/ignoremevideos](http://bit.ly/ignoremevideos)



ArjenSchwarz



ArjenSchwarz