
The Roomba: Our first artificial intelligence

Summer Springboard

The Roomba *agent*

- What are the sensors?
- What are the effectors?



The Roomba *agent*

- What are the sensors?
 - Clock
 - Bumper
- What are the effectors?
 - Wheels
 - Forward (and not backward)
 - Turn (clockwise or counterclockwise, but not both)
 - Vacuum
 - Suction
 - Spinny things

Simulation

[shacharr/roomba_sim: Roomba Simulator \(github.com\)](https://github.com/shacharr/roomba_sim)



SUMMER
SPRINGBOARD
Look Inward. Go Upward.

What helped? What didn't?

Definitions of *stochasticity*

1. **noun** the quality of lacking any predictable order or plan

synonyms: [haphazardness](#), [noise](#), [randomness](#)

[see more](#) ▾

(Actually, that's random, not stochastic. Randomness is a surprisingly deep topic)