

# Last Time

- Finite State Machines in code
- Project 4

# Today

- More project 4

Homework 4 due tonight @ 5:00

# Project 4

## Option 2

- FSM implementation
- FSM-based control
- Implementing trajectory generators for throttle and heading

# Project 4

## Option 1

- Height sensing
  - FSMs implementation in ISRs
  - Triggering the sonar
  - Reading out the return time
  - Estimating the distance
- Height control
  - “Integration” controller

# Project 4 Exercise

## Option 1

- What is the FSM? (states, events, outputs)
- How is the FSM implemented in the ISR?

## Option 2

- Sketch the FSM implementation in code
  - Section of code for each state
  - How are the events detected?