CS4610: Robotic Science and Systems

Instructor: Marsette Vona (vona@ccs.neu.edu)
Lecture: M/W/Th 9:15-10:20am    Lab: W/F 11:45am-1:25pm
Prereqs: CS3500 (or permission of the instructor)

- get hands-on experience designing software for a mobile robot
- work in a lab team to solve problems collaboratively
- build real-time embedded software with modern tools
- learn how to control motors for locomotion and manipulation
- implement fast perception algorithms for 2D and 3D images
- navigate around obstacles and map the environment
- use kinematics to make a robot arm grasp objects
- program your robot to win an autonomous competition!

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