



## CS 001 Fall 2007 Final Project Presentation: Robot Maze Navigation

Fall 2007



### The Maze Navigation Problem

- Build an autonomous Robot that can navigate a maze, and “learns” the maze to find the fastest way to go back to starting point.
  - Using different sensors, the Robot must
    - (1) find its way from starting point (a black cell on maze) to destination cell (foil).
    - “learn” and “remember” the correct path on its way
    - (2) find its way back to starting point without making any wrong turns
- Objectives:
  - Work in teams
  - Build a fully autonomous, “intelligent”, Robot with no human interaction
  - Integrate different sensors into the solution

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