CSE150B: Introduction to AI: Search and Reasoning (Spring 2026)

Instructor: Sicun Gao

Schedule

- Week 1: Classical Search

- Week 2: Adversarial Search

  - Apr-8: Quiz 1
  - Apr-12: Due: Assignment 1 (Gridworld)

- Week 3: Markov Decision Processes

- Week 4: Markov Decision Processes

  - Apr-22: Quiz 2
  - Apr-26: Due: Assignment 2 (2048)

- Week 5: Reinforcement Learning

- Week 6: Reinforcement Learning

  - May-6: Quiz 3
  - May-10: Due: Assignment 3 (Blackjack)

- Week 7: Monte Carlo Tree Search

- Week 8: Constraint Solving

  - May-20: Quiz 4
  - May-24: Due: Assignment 4 (Gomoku)

- Week 9: SAT Solving

- Week 10: Summary (no lecture on June-3)

  - June-3: Quiz 5
  - June-7: Due: Assignment 5 (Sudoku)

Grading

- Assignments: 25 (5×5) points. All assignments are for individuals, no teams.

- Quizzes: 75 (15×5) points. In-person closed-book quizzes during discussion sessions.

- (Optional) Final: 30 points. If you are unhappy about quiz scores, use final score to replace two quizzes.

- Grades are determined by **raw total points**. Cutoff for A is ≥90, for B is [80,90), etc. +/- will be determined by soft rules when giving final letter grades. Will not curve.