Computer Science 315

Artificial Intelligence
Who Am I?

Simon Levy  
Office: Parmly 407B  
Hours: Tues/Thurs 11:00-3:00,  
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Textbook

- Comprehensive
- Up-to-Date
- Language-neutral
- Philosophically deep
- Academic, industry standard
Quagents Curriculum

• U. Rochester teaching/research

• Dynamic, real-time test-bed for algorithms

• Integrated with AIMA

• I've written QuagentClient, a Python class for controlling agents
Requirements

- Regular programming assignments (50%)
- Two in-class exams (30%)
- Final exam (20%)
- Grading flexible: discount worst exam / lab
- 25% penalty per day late (including holidays!)
Potential Topics

• Introduction / history (1)
• Intelligent agents (2)
• Search (3)
• Game playing (6)
• Logical reasoning (7)
• First-order logic (8)
Topics

• Planning (11)
• Learning from Observations (18)
• Reinforcement Learning (21)
• Communication (22)
• Natural Language Processing (23)
• Philosophical Foundations (26)
• What do you want to try?
What is AI?

- Artificial
- *Intelligence (???)*

  - “Intelligence is what is measured by an intelligence test” (E.G. Boring, 1923)
  - Intelligence is skill at complicated tasks like chess and physics (everyday notion)
  - Intelligence is response indistinguishable from that of a human being (A.M. Turing, 1950)