CMSC 671 (Introduction to AI) – Fall 2018

Welcome to AI!

This course will serve as an introduction to artificial intelligence concepts and techniques. We will use Python as a computational vehicle for exploring the techniques and their application. Specific topics we will cover include the history and philosophy of AI, the agent paradigm in AI systems, search, game playing, knowledge representation and reasoning, logical reasoning, uncertain reasoning and Bayes nets, planning, machine learning, and multi-agent systems, robotics, and natural language processing. If time permits, we may also briefly touch on functional programming, perception, and other topics.

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Textbook: *Artificial Intelligence: A Modern Approach*, 3rd. Edition, Stuart J. Russell and Peter Norvig (auths), Prentice Hall, 2009. Note: The edition matters!

Important URLs

This will be primarily a paperless class; this is one of very few handouts you will receive. In future, important information will be disseminated online by email or at the following URLs. Homework will be turned in online, using Blackboard, Piazza, email, or DropBox.

- http://tiny.cc/ai-schedule
  The class schedule. Homeworks, slides, readings, assignments, links to resources. You should expect to check this regularly.

- http://tiny.cc/ai-class
  The syllabus. Course policies, classroom policies, late policies, contact information, office hours, answers to common questions.

- http://tiny.cc/ai-piazza
  The class Piazza page. Announcements, hints, assignment changes or clarifications, discussion forum. *You are responsible* for knowing information that is posted on Piazza; sign up to receive email in a timely fashion.

Notes

No devices in class. Because you will be doing some work in class, you may sometimes want to bring a laptop with you. However, except when specified, laptops, computers, and phones must remain put away. For more, read: http://tiny.cc/devices-in-class

Before next class, please:

- Get the textbook.
- Bookmark the schedule page.
- Sign up for Piazza and this class.
- Read the syllabus.
- Read the academic integrity statement.
- Fill out the getting-to-know-you survey.