Class Project cs 540 section 2

(no late days may be used on the project)

Timeline

 Select Topic – October 27th (next Thursday) 5 points Meet as a group / email as a group Select a member to be the Team Leader Discuss interests related to AI Select Topic and do a quick web search of topic Team Leader from Group Email me ~1 paragraph on your topic and idea Justify impact (usefulness and novelty) and technical quality (AI methods used) I'll email back my suggestions, useful links, and corrections

• Project Proposal – November 3rd 10 points

Do further research on topic, find good resources of information and develop a specific goal and plan of action

Hand in a (no longer than) 1 page document listing resources and a detailed description of the goal and plan of action

• Progress Report – November 15th and 17th 5 points

At least one person from group <u>meet with me during office hours</u> to: report progress refine goal / plan of action

If you are unable to have one member of the group come to my office hours then setup an appointment to discuss the groups progress.

• Final Web page – December 1st 50 points

<u>Create a web page</u> showing what you have learned Explain the topic, your research, and the work / coding you have done <u>Include the code and test cases</u> we can run your code on This will be read by all others in the class and evaluated by them (and me) <u>email me a link to the website</u> or email me the website and I can host it (html and images only if I host it please).

• Presentation – December 6th and 8th 20 points

Take 15 minutes in class to present your research

Setup your web page so it can be accessed from the Internet.

You are welcome to use my laptop, just email what information you will need prior to class

• Peer Review – December 13th 10 points

check out each teams website (I'll link to them off the course web site) Evaluate each web site and the code. <u>Email me an evaluation form for each</u> <u>website</u> (other than your own)

Possible Topics

Self Organizing Maps Spam Filters / Email Sorting Artificial Life / Cellular Automata Natural Language Processing Web Page Classification Genetic Algorithms / Genetic Programming Research Cyc – Logic Computer Vision face recognition character recognition **Reinforcement Learning** Game AI Inductive Logic Programming – ILP with Aleph Some Classification Task - Weka **Robotics and Planning** Human Computer Interface For additional ideas check out past projects at: http://www.cs.wisc.edu/~richm/cs540/projects.html http://www.cs.wisc.edu/~bsettles/cs540/#projects Also check out section 1's project page at: http://www.cs.wisc.edu/~jerryzhu/cs540/cs540projects.html

Team Assignments

- Team 1 rcurtis, lberg, mattiacc, elgar
- Team 2 ahansen, gaurin, bamber, elloyd
- Team 3 richmond, mjr, kron, ritland
- Team 4 terrill, andrews, byrne, lam
- Team 5 melbye, kibbel, yoh, tomohiro
- Team 6 slater, linkert, sng, asia
- Team 7 kynan, renata, corey, yanchar
- Team 8 washeche, elise, hengels, gjertson
- Team 9 bliss, nils, popper
- Team 10 preston, cory, mcmenami