Senior Seminar 2010

9/2/2010

Why?

* Gain experience reading, analyzing and discussing original research

* Gain experience presenting technical material to an audience

* Prepare for senior project, thesis, or CS clinic

* Learn more CS

* Web page: www.cs.pomona.edu/classes/cs190

This Year's topic

* Machine Translation and related areas of Computational Linguistics
  * Dave Kauchak expert in the area
  * Read and discuss current research
  * Work in pairs presenting papers
  * One long paper or two short (on different days)
  * Reply to forthcoming e-mail with ranked list of 3 papers and partner constraints to Prof. Kauchak by Sunday, 9/5/2010.

Schedule

* Next week: Kauchak on "Corpus Driven Noisy Channel Models"

* Your presentations start on 9/16

* Presenters meet with professor(s) at least 48 hours before class to go over presentation and discussion plan

* Discussants will enter comments 24 hours in advance on wiki

* We will provide feedback on presentations the next day

Senior Project

* Guidelines at
  * http://www.cs.pomona.edu/classes/senior-exercise/latex/

* Traditional projects
  * Break new ground or test recent research

* "Experimental" project
  * 3 to 5 students working on application suite for iphone/ipad

* Grading criteria: http://www.cs.pomona.edu/classes/cs190/grading.html

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Deadlines for Projects

* 9/13: Ranked list of 3 project/advisor pairs due to Prof. Kauchak
  * Must talk to potential advisors in advance

* 9/27: Initial project description due to project advisor (*contract*)

* 10/25: Annotated bibliography due to project advisor

* 11/4, 11, 18: Short student presentations on projects (*choose dates!*)

* 11/22: Extended abstract and literature review due to project advisor

* 12/8: Revised literature review due to project advisor

For Next Time:

* Read Chapters 1, 2 and Appendix A of "A Guide through the Senior Exercise"

* Read "Automating Knowledge Acquisition for Machine Translation" by Knight.

* Don't forget to e-mail ordered list of preferences by Sunday night.