CS 886 - Topics in AI: Trust Modeling and Online Social Networks

- Winter course

- Artificial Intelligence course

- Opportunity to learn about two fascinating subtopics

  - Trust modeling in multiagent systems: representation and reasoning

  - Improved online social network environments through artificial intelligence

- Background in AI helpful (not essential)

- Appeal to students in variety of CS subfields (AI, HCI, CrySP, Networks, Data Mining, etc.)

Overview of Schedule

- Introductory lectures on course, AI, user modeling

- Presentations by students on current research papers

- Guest Speakers

- Trust Modeling first half and Social Networks second half

- In-Class Thinking Exercise towards end of term

- Brief project presentations by students

Workload

- Paper Presentation + Handout (10,10)

  - From List Compiled by Instructor

  - Done Twice (First Half (Trust), Second Half (Social Networks))

- In-Class Group Exercise 10

  - Opportunity to learn brainstorming, creative thinking

  - On-the-spot oral presentation skills

  - Analytic skills through an included individual exercise

- Project Presentation 10

- Project (choice of student, relevant to course) 40

Details and Value of Course

- Class Limit 15

- Winter term: likely Monday mornings 2 hour block

- Project due last day of term; informal proposal due early March

- Lots of detailed feedback provided on presentations, handouts and project

- Opportunity to learn how to speak, think, write, design, analyze (project requires both analysis and creation)

- Extremely topical subject with latitude for new directions

- Accessible introduction to artificial intelligence

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