Introduction to Artificial Intelligence
Final Project

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Project Description

- For the final course project, you will work
  - ▸ in groups of 2-3 students
  - ▸ to design, implement, demonstrate, evaluate, and report
  - ▸ on a working AI system
  - ▸ that investigates the techniques learned in or out of the course in more depth

Types of projects

- Algorithm project
  - Propose new algorithms, comparing with other existing technologies on well-known benchmarks
  - May use software that is available off-the-shelf (ideally, in the public domain)

- Application project
  - Application of AI technologies to a specific problem in some domain
  - Implement the AI techniques you choose and apply them to a specific problem

Examples

- Games
    - Five in a row
    - Chinese chess
    - Sudoku-puzzle
    - Minesweeper
    - 2048
    - ...

Examples contd.

- Web page classification / Text classification
- Spam email filtering
- Image classification
  - CIFAR 10, Image-net, etc
- Object detection
  - Pascal VOC, Image-net, etc

Important Dates

- Topics and Teams – April 17, 2018
  - List of team members, project type, area of work, and problem domain
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- Design/Status Report – May 15 , 2018
  - Design of your application/experiment, current status report
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- Presentation of your work – Jun. 6 / Jun. 13, 2018
  - Oral/Poster (50%)

- Final Report and system implementation – Jul. 1, 2018
  - Final report for your project, implementation, distribution of work report (50%)
  - learn.cic.tsinghua.edu.cn